HP-41

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CATALOGUE OF CONTRIBUTED PROGRAMS FOR THE HP-41

PROGRAMS RECORDED ON MAGNETIC CARD

KATALOG DER EINGESANDTEN PROGRAMME FÜR DEN HP-41

AUF MAGNETKARTE GESPEICHERTE PROGRAMME

CATALOGUE DES PROGRAMMES CONTRIBUÉS POUR LE HP-41

PROGRAMMES ENREGISTRÉS SUR CARTE MAGNÉTIQUE

CATALOGO DEI PROGRAMMI SOTTOPOSTI PER HP-41

PROGRAMMI REGISTRATI SU NASTRO MAGNETICO

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INHALTSVERZEICHNIS

TABLE DES MATIÈRES

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HOW TO USE THIS CATALOG

This catalog contains user contributed programs grouped by language (colour coded pages). To find a program of interest, first look up the Applications Category Table (next page) e.g. Astronomy 510. Then you go to the «Application Index» (e.g. under 510) and note the running number of all programs which appear relevant. Then you go to the «Program Abstracts» section where programs are listed in numerical order, together with a brief description.

HINWEISE ZUR BENUTZUNG DIESES KATALOGS

Dieser Katalog enthält von Benutzern eingesandte und nach Sprachen geordnete (s. Farbkodex) Programme. Wenn Sie ein Programm aus einem bestimmten Interessenbereich suchen, schauen Sie zunächst in der Applikationskategorietabelle nach (nächste Seite), z.B. Astronomie 510. Anschliessend schlagen Sie im Applikationsindex nach (in unserem Beispiel unter Nr. 510) und notieren die laufende Nummer aller in Frage kommender Programme. Unter diesen Nummern sind die Programme dann jeweils mit einer Kurzbeschreibung im Katalogteil «Programmdarstellungen» in fortlaufender Reihenfolge aufgeführt.

COMMENT UTILISER CE CATALOGUE ?

Ce catalogue contient les programmes utilisateurs groupés par langue (pages à code de couleur). Pour trouver le programme qui vous intéresse, consultez d'abord le Tableau des applications par catégories (page suivante), par exemple astronomie 510. Puis, passez à la liste des programmes (par ex. sous 510) et notez le numéro courant de tous les programmes qui paraissent pertinents. Regardez ensuite la section de la présentation individuelle où les programmes sont donnés par ordre numérique, avec une brève description.

COME UTILIZZARE IL CATALOGO

Questo catalogo contiene i programmi applicativi sottoposti dagli utilizzatori, raggruppati secondo la lingua (in pagine di colore). Consultando la Tabella delle Categorie di Applicazione (pagina seguente: per es. Astronomia 510), il lettore potrà trovare il programma adatto ai suoi scopi. Successivamente l'Indice di Applicazione (per es. 510), fornirà il numero di tutti i programmi che appaiono d'interesse. La sezione Compendi dei Programmi offre inoltre una breve descrizione degli stessi, elencati in ordine numerico.

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APPLICATION CATEGORY TABLE

000	**BUSINESS & FINANCE (GENERAL)**
	SEE ALSO: HOME COMPUTING
001	ACCOUNTING
002	LENDING/SAVINGS
003	GENERAL INVESTMENT ANALYSIS
004	REAL ESTATE
005	SECURITIES
006	INVENTORY CONTROL
007	LEASING
008	FORECASTING/PLANNING
009	INDUSTRIAL PRODUCTION
010	MARKETING/SALES
011	INSURANCE/RETIREMENT
012	TAXES
100	**ENGINEERING (GENERAL)**
110	AERONAUTICAL ENGINEERING
120	CHEMICAL ENGINEERING
130	CIVIL ENGINEERING
131	Hydraulics
140	ELECTRICAL & ELECTRONIC ENGINEERING
141	Circuits
142	Fields & Waves
143	Dynamic Systems
144	Antennas
150	INDUSTRIAL ENGINEERING
	SEE ALSO: BUSINESS & FINANCE
	PROBABILITY & STATISTICS
160	MECHANICAL ENGINEERING
170	NUCLEAR ENGINEERING
180	PETROLEUM ENGINEERING
190	SOLAR ENGINEERING
200	**MATH & NUMERICAL ANALYSIS**
201	NUMBER THEORY
202	SERIES/SEQUENCES/PROGRESSIONS
203	POLYNOMIALS
204	TRIG/ANALYTIC GEOMETRY
205	INTEGRATION
206	DIFFERENTIAL EQUATIONS
207	COMPLEX VARIABLES
208	SPECIAL FUNCTIONS
209	INTERPOLATION
210	LINEAR SYSTEMS/MATRICES
211	PLOTTING ROUTINES
212	EXTENDED PRECISION
300	**PROBABILITY & STATISTICS**
301	GENERAL STATISTICS
302	PROBABILITY
303	PROBABILITY DISTRIBUTION
304	CURVE FIT/REGRESSION/CORRELATION
305	ANALYSIS OF VARIANCE
306	PARAMETRIC INFERENCE
307	NON-PARAMETRIC INFERENCE
308	QUALITY ASSURANCE/RELIABILITY
400	**APPLIED SCIENCES**
410	AGRICULTURE
420	EARTH SCIENCES
421	Atmospheric Sciences
422	Oceanography
430	FORESTRY
440	HYDROLOGY
450	SPACE SCIENCES
460	COMPUTER SCIENCE
470	SURVEYING
500	**NATURAL SCIENCES (GENERAL)**
510	ASTRONOMY
520	BIOLOGY
521	Ecology
522	Genetics
530	CHEMISTRY
531	BIOCHEMISTRY
540	GEOLOGY
550	OPTICS
560	PHYSICS
600	**SOCIAL & BEHAVORIAL SCIENCES (GENERAL)**
610	EDUCATION
620	PSYCHOLOGY
	SEE ALSO: PROBABILITY & STATISTICS
630	SOCIOLOGY
700	**MEDICAL ARTS & SCIENCES (GENERAL)**
	SEE ALSO: NATURAL SCIENCES
	APPLIED SCIENCES
710	MEDICINE (GENERAL)
711	Emergency & Critical Care
712	Cardiopulmonary Medicine
713	Blood Chemistry
714	Drug Dosing Calculations
715	Clinical Laboratory
716	Radioimmunoassay
717	Anesthesia
720	DENTISTRY
730	OPTOMETRY
740	VETERINARIAN SCIENCES
750	NUTRITION
800	**HOME COMPUTING (GENERAL)**
810	EDUCATION
820	GAMES (GENERAL)
821	Board & Table Games
822	Games of Chance
823	Number & Word Games
830	PERSONAL FINANCES
	SEE ALSO: BUSINESS & FINANCE
840	HOBBIES
900	**OTHER**
910	AVIATION
911	Avigation
912	Aircraft Operation
920	MARINE NAVIGATION
921	Ship Stability
922	Yachting
930	PHOTOGRAPHY
940	DATE/CALENDAR
950	TIME
960	BIORHYTHMS
970	DRAFTING/DESIGN
	SEE ALSO: MECHANICAL ENGINEERING
980	CONVERSIONS

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APPLIKATIONSBEREICHE

000 KAUFMÄNNISCHE UND FINANZPROGRAMME (ALLGEMEIN)
001 BUCHHALTUNG
002 DARLEHEN/SPAREINLAGEN
003 ALLGEMEINE INVESTITIONSANALYSE
004 GRUNDSTÜCKE, IMMOBILIEN
005 WERTPAPIERE
006 INVENTARAUFNAHME, LAGERKONTROLLE
007 LEASING
008 GESCHÄFTSPROGNOSEN/PLANUNG
009 INDUSTRIELLE PRODUKTION
010 MARKETING/VERKAUF
011 VERSICHERUNGEN/PENSIONIERUNG
012 STEUERN

100 INGENIEURWESEN (ALLGEMEIN)
110 LUFTFAHRTTECHNIK
120 CHEMOTECHNIK
130 BAUTECHNIK, KONSTRUKTION
131 Hydraulik
140 ELEKTROTECHNIK UND ELEKTRONIK
141 Schaltungen
142 Felder und Wellen
143 Dynamische Systeme
144 Antennen
150 INDUSTRIEINGENIEURTECHNIK
SIEHE AUCH: KAUFMÄNNISCHE UND FINANZPROGRAMME
WAHRSCHEINLICHKEITS-RECHNUNG UND STATISTIK
160 MASCHINENBAU
170 KERNTECHNIK
180 ERDÖLTECHNIK
190 SONNENENERGIE

200 MATHEMATIK UND NUMERISCHE ANALYSE
201 ZAHLENTHEORIE
202 FOLGEN/REIHEN
203 POLYNOME
204 TRIGONOMETRIE/ANALYTISCHE GEOMETRIE
205 INTEGRATION
206 DIFFERENTIALGLEICHUNGEN
207 KOMPLEXE VARIABLE
208 SPEZIELLE FUNKTIONEN
209 INTERPOLATION
210 LINEARE SYSTEME/MATRIZEN
211 ZEICHENROUTINEN
212 ERWEITERTE GENAUIGKEIT

300 WAHRSCHEINLICHKEITSRECHNUNG UND STATISTIK
301 ALLGEMEINE STATISTIK
302 WAHRSCHEINLICHKEITSRECHNUNG
303 WAHRSCHEINLICHKEITS-VERTEILUNGEN
304 AUSGLEICHSKURVEN/REGRESSIONS- UND KORRELATIONSRECHNUNG
305 STREUUNGSANALYSE
306 PARAMETRISCHE SCHLÜSSE
307 NICHT-PARAMETRISCHE SCHLÜSSE
308 QUALITÄTSSICHERUNG UND ZUVERLÄSSIGKEIT

400 ANGEWANDTE WISSENSCHAFTEN
410 LANDWIRTSCHAFT
420 TERRESTRISCHE WISSENSCHAFTEN
421 Atmosphärologie
422 Ozeanographie
430 FORSTWIRTSCHAFT
440 HYDROLOGIE
450 RAUMKUNDE
460 COMPUTERWISSENSCHAFT
470 VERMESSUNG

500 NATURWISSENSCHAFTEN (ALLGEMEIN)
510 ASTRONOMIE
520 BIOLOGIE
521 Ökologie
522 Genetik
530 CHEMIE
531 BIOCHEMIE
540 GEOLOGIE
550 OPTIK
560 PHYSIK

600 SOZIALWISSENSCHAFTEN UND VERHALTENSLEHRE (ALLGEMEIN)
610 ERZIEHUNG
620 PSYCHOLOGIE
SIEHE AUCH: WAHRSCHEINLICHKEITS-RECHNUNG UND STATISTIK
630 SOZIOLOGIE

700 MEDIZINISCHE WISSENSCHAFT (ALLGEMEIN)
SIEHE AUCH: NATURWISSENSCHAFTEN ANGEWANDTE WISSENSCHAFTEN
710 MEDIZIN (ALLGEMEIN)
711 Notfälle und Intensivpflege
712 Kardiopulmonarmedizin
713 Blutchemie
714 Arzneimitteldosierungs-Berechnungen
715 Klinische Laboratorien
716 Radioimmunountersuchungen
717 Anästhesie
720 ZAHNHEILKUNDE
730 OPTOMETRIE
740 VETERINÄRMEDIZIN
750 ERNÄHRUNGSWISSENSCHAFTEN

800 LERN- UND SPIELPROGRAMME
810 ERZIEHUNG
820 SPIELE
821 Brett- und Tischspiele
822 Glücksspiele
823 Zahlen- und Wörterspiele
830 PERSÖNLICHE FINANZEN
SIEHE AUCH: KAUFMÄNNISCHE UND FINANZPROGRAMME
840 HOBBIES

900 VERSCHIEDENES
910 LUFTFAHRT
911 Navigation
912 Betrieb von Flugzeugen
920 MARINENAVIGATION
921 Schiffsstabilität
922 Yachting
930 PHOTOTECHNIK
940 DATUM/KALENDER
950 ZEIT
960 BIORYTHMEN
970 ZEICHNEN UND ENTWERFEN
SIEHE AUCH: MASCHINENBAU
980 UMWANDLUNGEN

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TABLEAU DES APPLICATIONS PAR CATÉGORIES

000 GESTION ET FINANCE (GÉNÉRAL)
VOIR AUSSI APPLICATIONS DOMESTIQUES
001 COMPTABILITÉ
002 PRÊTS/ÉPARGNE
003 ANALYSE GÉNÉRALE D'INVESTISSEMENTS
004 IMMOBILIER
005 TITRES
006 CONTRÔLE D'INVENTAIRE
007 LOCATIONS/LEASING
008 PRÉVISIONS/PLANNING
009 PRODUCTION INDUSTRIELLE
010 MARKETING/VENTES
011 ASSURANCES/RETRAITE
012 TAXES/IMPÔTS

100 INDUSTRIE (GÉNÉRAL)
110 INDUSTRIE AÉRONAUTIQUE
120 CHIMIE INDUSTRIELLE
130 GÉNIE CIVIL
131 Hydraulique
140 ÉLECTROTECHNIQUE ET ÉLECTRONIQUE
141 Circuits
142 Champs et Ondes
143 Systèmes dynamiques
144 Antennes
150 ORGANISATION INDUSTRIELLE
VOIR AUSSI GESTION ET FINANCE
PROBABILITÉ ET STATISTIQUE
160 INDUSTRIE MÉCANIQUE
170 GÉNIE ATOMIQUE
180 INDUSTRIE PÉTROLIÈRE
190 INDUSTRIE SOLAIRE

200 MATH ET ANALYSE NUMÉRIQUE
201 THÉORIE DES NOMBRES
202 SÉRIES/SÉQUENCES/PROGRESSIONS
203 POLYNOMES
204 TRIGONOMÉTRIE/GÉOMÉTRIE ANALYTIQUE
205 INTÉGRALES
206 ÉQUATIONS DIFFÉRENTIELLES
207 VARIABLES COMPLEXES
208 FONCTIONS SPÉCIALES
209 INTERPOLATION
210 SYSTÈMES LINÉAIRES/MATRICES
211 GRAPHIQUES COURANTS
212 PRÉCISION ÉTENDUE

300 PROBABILITÉS ET STATISTIQUES
301 STATISTIQUE GÉNÉRALE
302 PROBABILITÉS
303 DISTRIBUTION DES PROBABILITÉS
304 COURBES/RÉGRESSION/CORRÉLATION
305 ANALYSE DES VARIANCES
306 INFÉRENCE PARAMÉTRIQUE
307 INFÉRENCE NON-PARAMÉTRIQUE
308 ASSURANCE DE QUALITÉ/FIABILITÉ

400 SCIENCES APPLIQUÉES
410 AGRONOMIE
420 SCIENCES DE LA TERRE
421 Sciences atmosphériques
422 Océanographie
430 SYLVICULTURE
440 HYDROLOGIE
450 SCIENCES DE L'ESPACE
460 INFORMATIQUE
470 TOPOGRAPHIE

500 SCIENCES NATURELLES
510 ASTRONOMIE
520 BIOLOGIE
521 Ecologie
522 Génétique
530 CHIMIE
531 BIOCHIMIE
540 GÉOLOGIE
550 OPTIQUE
560 PHYSIQUE

600 SCIENCES SOCIALES ET DU COMPORTEMENT (GÉNÉRAL)
610 ÉDUCATION
620 PSYCHOLOGIE
VOIR AUSSI PROBABILITÉS ET STATISTIQUE
630 SOCIOLOGIE

700 ARTS ET SCIENCES MÉDICAUX (GÉNÉRAL)
VOIR AUSSI SCIENCES NATURELLES
SCIENCES APPLIQUÉES
710 MÉDECINE (GÉNÉRAL)
711 Soins d'urgence et critiques
712 Médecine cardio-pulmonaire
713 Chimie du sang
714 Calcul du dosage des médicaments
715 Laboratoire clinique
716 Radioimmunologie
717 Anesthésie
720 ODONTOLOGIE
730 OPTOMÉTRIE
740 SCIENCES VÉTÉRINAIRES
750 NUTRITION

800 APPLICATIONS DOMESTIQUES (GÉNÉRAL)
810 ÉDUCATION
820 JEUX (GÉNÉRAL)
821 Jeux sur tables et tableaux
822 Jeux de hasard
823 Jeux de chiffres et de mots
830 FINANCES PRIVÉES
VOIR AUSSI FINANCE ET GESTION
840 HOBBIES

900 DIVERS
910 AVIATION
911 Navigation aérienne
912 Pilotage d'un avion
920 NAVIGATION MARINE
921 Stabilité d'un bateau
922 Navigation de plaisance
930 PHOTOGRAPHIE
940 DATES/CALENDRIER
950 TEMPS
960 BIORYTHMES
970 DESSINS/ÉTUDES
VOIR AUSSI INDUSTRIE MÉCANIQUE
980 CONVERSIONS

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PRINCIPALI AREE DI APPLICAZIONE

000 GESTIONE/FINANZA (GENERALE)
CFR.: CALCOLO FORMATO FAMIGLIA
001 CONTABILITÀ
002 PRESTITI/RISPARMI
003 ANALISI GENERALE INVESTIMENTI
004 PROPRIETÀ/IMMOBILI
005 TITOLI
006 CONTROLLO INVENTARIO/MAGAZZINO
007 «LEASING»
008 PREVISIONI/PIANIFICAZIONE
009 PRODUZIONE INDUSTRIALE
010 MARKETING/VENDITE
011 ASSICURAZIONI/PENSIONE
012 IMPOSTE

100 INGEGNERIA (GENERALE)
110 INGEGNERIA AERONAUTICA
120 INGEGNERIA CHIMICA
130 INGEGNERIA CIVILE
131 Idraulica
140 INGEGNERIA ELETTRICA/ELETTRONICA
141 Circuiti
142 Onde e campi magnetici
143 Sistemi dinamici
144 Antenne
150 INGEGNERIA INDUSTRIALE
CFR.: GESTIONE/FINANZA
PROBABILITÀ/STATISTICA
160 INGEGNERIA MECCANICA
170 INGEGNERIA NUCLEARE
180 INGEGNERIA PETROLIFERA
190 INGEGNERIA SOLARE

200 ANALISI MATEMATICA E NUMERICA
201 TEORIA DEI NUMERI
202 SERIE/SEQUENZE/PROGRESSIONI
203 POLINOMI
204 GEOMETRIA TRIG/ANALITICA
205 INTEGRAZIONE
206 EQUAZIONI DIFFERENZIALI
207 VARIABILI COMPLESSE
208 FUNZIONI SPECIALI
209 INTERPOLAZIONE
210 SISTEMI LINEARI/MATRICI
211 RAPPRESENTAZIONE GRAFICA DI FUNZIONI (A MEZZO CURVE)
212 CALCOLO DI PRECISIONE

300 PROBABILITÀ/STATISTICA
301 STATISTICA GENERALE
302 PROBABILITÀ
303 DISTRIBUZIONE DELLE PROBABILITÀ
304 ADATTAMENTO/REGRESSIONE/ CORRELAZIONE CURVE
305 ANALISI DELLA VARIANZA
306 INFERENZA PARAMETRICA
307 INFERENZA NON-PARAMETRICA
308 SICUREZZA/AFFIDABILITÀ DI QUALITÀ

400 SCIENZE APPLICATE
410 AGRICOLTURA
420 SCIENZE TERRESTRI
421 Scienze dell'atmosfera
422 Oceanografia
430 SILVICOLTURA
440 IDROLOGIA
450 SCIENZE SPAZIALI
460 COMPUTER
470 TOPOGRAFIA

500 SCIENZE NATURALI (GENERALE)
510 ASTRONOMIA
520 BIOLOGIA
521 Ecologia
522 Genetica
530 CHIMICA
531 BIOCHIMICA
540 GEOLOGIA
550 OTTICA
560 FISICA

600 SCIENZE SOCIALI (GENERALE)
610 EDUCAZIONE
620 PSICOLOGIA
CFR.: PROBABILITÀ/STATISTICA
630 SOCIOLOGIA

700 MEDICINA
CFR.: SCIENZE NATURALI
SCIENZE APPLICATE
710 MEDICINA (GENERALE)
711 Emergenza/Pronto soccorso
712 Medicina cardiopolmonare
713 Chimica del sangue
714 Calcolo dosaggio farmaci
715 Laboratorio clinico
716 Radioimmunologia
717 Anestesia
720 ODONTOIATRIA
730 OPTOMETRIA
740 VETERINARIA
750 DIETETICA

800 CALCOLO FORMATO FAMIGLIA (GENERALE)
810 EDUCAZIONE
820 GIOCHI (GENERALE)
821 Giochi da tavola e di società
822 Giochi d'azzardo, di probabilità
823 Giochi mnemonici
830 FINANZE PERSONALE
CFR.: GESTIONE/FINANZA
840 HOBBIES

900 DIVERSI
910 AVIAZIONE
911 Navigazione aerea
912 Funzionamento velivoli
920 NAVIGAZIONE MARITTIMA
921 Stabilità dell'imbarcazione
922 Yachting
930 FOTOGRAFIA
940 DATA/CALENDARIO
950 TEMPO
960 BIORITMI
970 PROGETTAZIONE/DESIGN
CFR.: INGEGNERIA MECCANICA
980 CONVERSIONI

APPLICATION INDEX

ANWENDUNGS-VERZEICHNIS

LISTE PAR APPLICATION

ELENCO DELLE APPLICAZIONI

APPLICATION INDEX

000 BUSINESS & FINANCE (GENERAL)

10.061C CONCRETE VOLUME
10.062C LINEAR TO BOARD FEET CONVERSION AND COSTING
10.063C FRAMING BOARD FEET
10.064C LUMBER ESTIMATE
10.065C SHINGLE ESTIMATE
10.066C WALL AND CEILING AREAS ESTIMATE
10.067C WALLPAPER ESTIMATE
10.068C DRYWALL AND INSULATION ESTIMATE
10.069C SHEATHING AND SUBFLOOR ESTIMATE
10.070C PAINTING ESTIMATE
10.071C WOOD FLOOR ESTIMATE

001 ACCOUNTING

002 LENDING/SAVINGS

10.104C RULE OF 78'S
10.105C AMORTIZATION SCHEDULE
10.106C ADD-ON TO APR WITH ODD DAYS
10.107C SAVINGS PLAN
10.108C INTEREST CONVERSIONS
10.109C LEASE WITH ADDITIONAL PAYMENTS IN ADVANCE
10.110C SKIPPED PAYMENTS
10.111C COMPOUNDING PERIODS DIFFERENT FROM PAYMENT PERIODS
10.112C COMPOUND INTEREST SOLUTIONS

003 GENERAL INVESTMENT ANALYSIS

004 REAL ESTATE

005 SECURITIES

006 INVENTORY CONTROL

007 LEASING

008 FORECASTING/PLANNING

10.127C FORECASTING USING EXPONENTIAL SMOOTHING
10.128C MONTHLY SEASONAL VARIATION FACTORS BASED ON CENTERED MOV AVE
10.129C MULTIPLE LINEAR REGRESSION
10.130C NORMAL, INVERSE NORMAL, T AND F DISTRIBUTION
10.131C BASIC STATISTICS FOR TWO VARIABLES
10.132C MOVING AVERAGE
10.133C GOMPERTZ CURVE TREND ANALYSIS
10.134C BREAK-EVEN ANALYSIS
10.135C EXPERIENCE (LEARNING) CURVE FOR MANUFACTURING COST
10.136C PRICE ELASTICITY OF DEMAND

009 INDUSTRIAL PRODUCTION

010 MARKETING/SALES

011 INSURANCE/RETIREMENT

012 TAXES

100 ENGINEERING (GENERAL)

110 AERONAUTICAL ENGINEERING

120 CHEMICAL ENGINEERING

10.011C STRAIGHT EFFICIENCY
10.012C CONSERVATION OF ENERGY
10.013C HYDROCARBON COMBUSTION
10.014C HEAT TRANSFER THROUGH COMPOSITE CYLINDERS AND WALLS
10.015C VON KARMAN ANALOGY FOR HEAT AND MASS TRANSFER
10.016C EQUATIONS OF STATE
10.017C REVERSIBLE POLYTROPIC PROCESS FOR AN IDEAL GAS
10.018C CONDUIT FLOW
10.019C FLUID TRANSPORT NUMBERS
10.020C SINGLE STAGE EQUILIBRIUM FLASH CALCULATION
10.021C WEAK ACID/BASE TITRATION CURVE

130 CIVIL ENGINEERING

10.022C STEEL COLUMN FORMULA
10.023C REINFORCED CONCRETE BEAMS
10.024C STRESS IN THICK-WALLED CYLINDERS
10.025C PROPERTIES OF SPECIAL SECTIONS
10.026C COMPRESSIVE BUCKING
10.027C VECTORS
10.028C BEAMS FIXED AT BOTH ENDS
10.029C SIMPLY SUPPORTED BEAMS
10.030C CANTILEVER BEAMS
10.031C BOLT TORQUE

131 HYDRAULICS

140 ELECTRICAL & ELECTRONIC ENGINEERING

141 CIRCUITS

10.098C PRESSURE CALCULATION FOR HP 2813B QUARTZ PRESSURE GAUGE

142 FIELDS & WAVES

143 DYNAMIC SYSTEMS

10.032C FREQUENCY RESPONSE OF A TRANSFER FUNCTION
10.033C BODE OF TRANSFER FUNCTION THAT HAS EACH POLE AND ZERO GIVEN
10.034C BODE OF THIRD-ORDER OVER THIRD-ORDER TIMES SN TRANSFER
10.035C ROUTH TEST FOR CONTINUOUS AND DISCRETE TIME SYSTEM STABILITY
10.036C CONVERT FREQUENCY RESPONSE, OPEN LOOP, CLOSED LOOP
10.037C AID TO ROOT LOCUS PLOTS I REAL POLES
10.038C AID TO ROOT LOCUS PLOTS 11 COMPLEX POLES
10.039C CLASSICAL CONTROL GAINS
10.040C FIRST ORDER REGULATOR
10.041C SECOND ORDER REGUALTOR

144 ANTENNAS

10.113C LOADED VERTICAL ANTENNAS
10.114C LOADED DIPOLE ANTENNAS
10.115C GAIN OF A HORIZONTAL RHOMBIC ANTENNA AT ZERO AZIMUTH
10.116C AZIMUTH PATTERNS OF CYLINDRICAL ARRAY OF ANTENNAS
10.117C COLINEAR ANTENNA GAIN AND PATTERN
10.118C BEAM PATTERN FOR UNIFORM ARRAY
10.119C RADAR ANTENNA BEAM WIDTH AND GAIN
10.120C ANTENNAS
10.121C PARABOLIC ANTENNA CALCULATIONS
10.122C RF PATH LOSS, DB
10.123C ANTENNA GAIN OR POWER OF A REMOTE TRANSMITTER
10.124C PLANAR PHASED ARRAY RADAR BEAM POSITIONS
10.125C SHORTWAVE TRANSMISSION PATH CALCULATION

150 INDUSTRIAL ENGINEERING

160 MECHANICAL ENGINEERING

10.072C GEAR FORCES
10.073C STRESS ON AN ELEMENT
10.074C CONSTANT PAYMENT TO PRINCIPAL LOAN
10.075C SODERBERG'S EQUATION FOR FATIGUE
10.076C SPRING CONSTANT
10.077C PROGRESSION OF A SLIDER CRANK
10.078C FREE VIBRATIONS
10.079C INTERFERENCE FITS
10.080C LINEAR OR ANGULAR DEFORMATION
10.081C CONSTANT ACCELERATION

170 NUCLEAR ENGINEERING

180 PETROLEUM ENGINEERING

190 SOLAR ENGINEERING

10.145C OVERALL HEAT TRANSFER COEFFICIENT
10.146C INSULATION BREAK EVEN ANALYSIS
10.147C AIR FLOW IN CIRCULAR DUCTS

200 MATH AND NUMERICAL ANALYSIS

10.052C SINE, COSINE, EXPONENTIAL INTEGRALS
10.053C EIGENVALUES/VECTORS OF 3RD-ORDER SYSTEMS
10.054C EIGENVALUES FOR 3RD-ORDER SYSTEMS
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10.057C GAMMA FUNCTION
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10.060C 4x4 MATRIX OPERATIONS
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10.101C POLYNOMIAL SOLUTIONS/EVALUATION

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10.042C SINE PLATE SOLUTIONS
10.043C NOTCHES AND LONG RADII
10.044C INTERNAL AND EXTERNAL TAPERS
10.045C POINTS OF TANGENCY WITH CIRCLES AND ARCS
10.046C LINE-LINE INTERSECTION
10.047C POINTS ON A STRAIGHT LINE
10.048C GRID OF POINTS: CALCULATE ALL POINTS
10.049C GRID OF POINTS: CALCULATE DISCRETE POINTS
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700 MEDICAL ARTS & SCIENCES (GENERAL)

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PROGRAM ABSTRACT

KURZBESCHREIBUNG

PRÉSENTATION INDIVIDUELLE

COMPENDIO

Program Abstracts

10.001C 41C-CALENDAR DATE/JULIAN DATE CONVERSIONS
Converts Between Gregorian and Julian Calendars. (Avail. In Calendars Sol. Book)
140 PROGRAM STEPS
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10.002C 41C-DAY OF YEAR-DAY OF WEEK
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10.003C 41C-NUMBER OF WEEKDAYS BETWEEN TWO DATES
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10.004C 41C-IN WHAT YEAR IS A GIVEN DATE AN M-DAY?
User Specifies a Year and a Date, Then a Day-Of-Week. Program Calculates What Years from the Specified Year Have the Specified Date Falling on a Specific Day. (Avail. In Calendars Sol. Book)
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10.005C 41C-NUMBER OF M-DAYS BETWEEN TWO DATES AND THE N-TH DAY OF MONTH
User Specifies a Day of Week and Two Dates; the Program Calculates the Number of Times That Day Occurs Between the Given Dates. User Specifies a Year, Month, A Day-Of-Week, and a Number "N"; the Program Then Calculates the N-Th Occurrence of the Specified Day in the Given Month. (Avail. In Calendars Sol. Book)
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10.006C 41C-HOLIDAYS
Calculates the Date, in a Given Year, for Mother's Day, Father's Day, Election Day, Thanksgiving Day, Washington's Birthday, Labor Day, Columbus Day and Veteran's Day. (Avail. In Calendars Sol. Book)
127 PROGRAM STEPS
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10.007C 41C-RELIGIOUS HOLIDAYS
Calculates the Date, in a Given Year, for Ash Wednesday, First Sunday in Lent, Passion Sunday, Palm Sunday, Good Friday, Easter, Rogation Sunday, Ascension Day, Whitsunday, and Trinity Sunday. (Avail. In Calendars Sol Book)
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10.008C 41C-CHINESE YEARS TO/FROM GREGORIAN YEARS
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10.009C 41C-NEW MOON AND FULL MOON DAY OF MONTH
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10.010C 41C-CALENDAR PRINTOUT
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10.017C 41C-REVERSIBLE POLYTROPIC PROCESS FOR AN IDEAL GAS
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This Program, with the Aid of Commonly Available Dowel Pins and Measuring Tools (In the Case of the Sine Plate and Height Blocks). Will Aid in Accurately Finding Angles and Heights for Sine Plates, Position and Slope of Inclined Holes and Coordinates of Points. (Avail. In Geometry Sol. Books)
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10.068C 41C-DRYWALL AND INSULATION ESTIMATE
Estimates Cost of Drywall and Insulation Given Area, Item Cost, and Labor Rate. (Avail in Home Const Est Sol Bk)
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10.069C 41C-SHEATHING AND SUBFLOOR ESTIMATE
Given the Area, Size and Item Cost of Plywood, and Labor Factor, Estimates Sheathing and Subfloor Construction Amounts. (Avail in Home Const Est Sol Bk)
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10.070C 41C-PAINTING ESTIMATE
Estimates Amounts and Costs for Painting Based on Paint Cost and Coverage and Labor Costs. (Avail in Home Const Est Sol Bk)
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Estimates Costs for Installing and Finishing a Hardwood Floor. (Avail in Home Const Est Sol Bk)
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10.080C 41C-LINEAR OR ANGULAR DEFORMATION
Solves for Linear Deflection Under Tensile Load or Angular Deflection Under Torque. (Avail. In Mech. Engr. Sol. Book)
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10.081C 41C-CONSTANT ACCELERATION
Calculates Displacement, Acceleration, Initial Velocity and Time for an Object Undergoing Constant Acceleration. (Avail. In Mech. Engr. Sol. Book)
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10.082C 41C-ONE SAMPLE TEST STATISTICS FOR THE MEAN
Calculates the Z Statistic for Testing the Mean If the Variance Is Known. If the Variance Is Unknown, Then the T Statistic Is Calculated. (Avail. In Test Statistics Sol. Book)
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10.083C 41C-TEST STATISTICS FOR THE CORRELATION COEFFICIENT
The T Statistic Can Be Used to Test if the True Correlation Coefficient Is Zero. The Z Statistic, Which Can Be Used to Test If the Correlation Coefficient Equals a Given Number (Usually Non-Zero) Is Also Calculated. (Avail. In Test Stat. Sol. Book)
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10.084C 41C-DIFFERENCES AMONG PROPORTIONS
Calculates the Chi-Square Statistic for Testing If Several Independent Binomial Distributions Have Equal Means. (Avail. In Test Stat. Sol. Book)
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10.085C 41C-BEHRENS-FISHER STATISTIC
Given Random Samples form Two Independent Normal Populations with Unequal Variances (Unknown), the Program Calculates the Behren-Fisher Statistic for Testing the Means. (Avail. In Test Stat. Sol. Book)
064 PROGRAM STEPS
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10.086C 41C-KRUSKAL-WALLIS STATISTIC
The Kruskal-Wallis Statistic Can Be Used to Test If the Independent Random Samples Come from Identical Continuous Population. (Avail. In Test Stat. Sol. Book)
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10.087C 41C-MEAN-SQUARE SUCCESSIVE DIFFERENCE
The Mean-Square Successive Difference Is Used to Test If a Given Sample Is Large and the Population Is Normal, Then AZ Statistic Is Used Instead. (Avail. In Test Statistics Sol. Book)
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10.088C 41C-THE RUN TEST FOR RANDOMNESS
For a Given Sequence, The Z Statistic Is Calculated for Testing the Randomness of the Sequence. (Avail. In Test Stat. Sol. Book)
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10.089C 41C-INTERCLASS CORRELATION COEFFICIENT
Calculates the Intraclass Correlation Coefficient Which Measures the Degree of Association Among Individuals Within Classes or Groups. (Avail. In Test Stat. Sol. Book)
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10.090C 41C-FISHER'S EXACT TEST FOR A 2X2 CONTINGENCY TABLE
Fisher's Exact Probability Test Is Used to Analyze a 2x2 Contingency Table When the Two Independent Samples Are Small in Size. (Avail. In Test Stat. Sol. Book)
104 PROGRAM STEPS
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10.091C 41C-BARTLETT'S CHI-SQUARE STATISTIC
This Chi-Square Statistic Can Be Used to Test the Homogeneity of Variances. Error Corrector for Erroneous Input Data Is Provided. (Avail. In Test Statistics Sol. Book)
096 PROGRAM STEPS
USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.092C 41C-MANN-WHITNEY STATISTIC
Calculates the Mann-Whitney Statistic on Two Independent Samples of Equal or Unequal Sizes. Error Corrector for Erroneous Input Data Is Provided. (Avail in Test Statistics Applic. Pac)
069 PROGRAM STEPS
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10.093C 41C-KENDALL'S COEFFICIENT OF CONCORDANCE
Calculates Kendall's Coefficient of Concordance to Test Agreement Between Rankings. Error Corrector for Erroneous Input Data Is Provided. (Avail. in Test Statistics Sol. Book)
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10.094C 41C-NUMBER HUNT
This Is a Number Guess Program. The Calculator Hides a Whole Number Between 1 and 1.000 As You Guess, The Calculator Tells You If You Are Over 10 High or Low or Under 10 High or Low. After Play, The Calculator Will Tell You How You Rated.
124 PROGRAM STEPS
R SUTTER
CORVALLIS, OR

10.095C 41C-BASEBALL SIMULATION
This Program Simulates a Baseball Game with Lineups of Real Players. Program Includes Section on Making Data Cards of Players Based on Their Lifetime Statistics. Once Data Cards Are Make, The Starting Lineups Are Entered in for Each Team and the Game Starts. Requires Printer (82143a), Card Reader (82104a) and Three Memory Modules.
519 PROGRAM STEPS
EA DIPPEL
CORVALLIS, OR

10.096C 41C-MAGIC SQUARES
This Program Generates a Two-Dimensional, Square Matrix; in Which the Sums of All the Rows, Columns, and Main Diagonals Are the Same.
196 PROGRAM STEPS
RW SALO
CORVALLIS, OR

10.097C 41C-SCRIPT LETTERS
This Program Uses the "Special-Characters" Feature of the Hp 82143a Printer to Form Legible Script Characters.
089 PROGRAM STEPS
KE NEWCOMER
CORVALLIS, OR

10.098C 41C-PRESSURE CALCULATION FOR HP 2813B QUARTZ PRESSURE GAUGE
This Program Solves the Equation for Pressure, Given Frequency and Bottom Hole Pressure. One Memory Module Required for Necessary Accessories.
203 PROGRAM STEPS
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10.099C 41C-MATRIX OPERATIONS
This Program Calculates the Determinant and Inverse of Up to a 9x9 Matrix, and Gives the Solution of a System of Simultaneous Equations in 9 Unknows. Two Memory Modules Are Required to Key in the Program and to Evaluate Up to a 5x5 Matrix. (Avail. In Math Appl. Pac) Necessary Accessories Include Additional Modules for Higher Order Systems.
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10.100C 41C-SOLUTION TO F(X)=0 ON AN INTERVAL
This Program Uses a Modified Secant Iteration Algorithm to Find a Real Root of a Given Equation (Avail. In Math Appl. Pac)
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10.101C 41C-POLYNOMIAL SOLUTIONS/ EVALUTION
This Program Finds All Roots (Real and Complex) of a Polynomial with Real Coefficients of Degree 5 and Below. The Program May Also Be Used to Evaluate Polynomials for Arbitrary Values of X. (Avail. In Math Appl. Pac) Necessary Accessories Include One Memory Module.
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This Program Calculates the Unearned Interest (Rebate) as Well as the Remaining Principal Due for a Prepaid Consumer Loan Using Rule of 78's. (Avail. In Lend. Saving Leasing Sol. Book)
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This Program Calculates the Monthly Payment Amount, Total Finance Charge, and the Annual Percentage Rate (Apr) for an Add-On Rate Loan. (Avail. In Lend. Saving Leasing Sol. Book)
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This Program Determines Interest Earned on a Savings Account Using as Input the Date and Amount of Each Transaction. (Avail. In Lend. Saving Leasing Sol. Book)
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10.109C 41C-LEASE WITH ADDITIONAL PAYMENTS IN ADVANCE
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10.115C 41C-GAIN OF A HORIZONTAL RHOMBIC ANTENNA AT ZERO AZIMUTH
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10.116C 41C-AZIMUTH PATTERNS OF CYLINDRICAL ARRAY OF ANTENNAS
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10.119C 41C-RADAR ANTENNA BEAMWIDTH AND GAIN
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10.123C 41C-ANTENNA GAIN OR POWER OF A REMOTE TRANSMITTER
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10.124C 41C-PLANAR PHASED ARRAY RADAR BEAM POSITIONS
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10.126C 41C-DIFFERENTIAL EQUATIONS
This Program Solves First and Second Order Differential Equations by the Fourth Order Runge-Kutta Method. (Avail. In Math Applic. Pac)
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This Program Is a Singly-Smoothed Exponential Forecasting Routine with Consideration for Seasonal Variation. (Avail in Bus. Stat/Marketing/ Sales Sol. Bk)
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10.128C MONTHLY SEASONAL VARIATION FACTORS BASED ON CENTERED MOV AVE
Develops Seasonal Variation Factors Based on Historical Figures. The Factors Are Useful for Projecting. Seasonal Sales. (Avail. In Bus. Stat/ Mrktng/Sales Sol. Bk.)
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These Programs Evaluate the Standard Normal Density Function, The Normal Integral for a Given X and Its Inverse, The T Density Function and the Integral of the F Distribution for Given Values of X. (Avail. In Bus. Stat./Mktng/Sales Sol Bk.)
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10.131C BASIC STATISTICS FOR TWO VARIABLES
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10.137C PH OF WEAK ACID/BASE SOLUTIONS
A Program for Calculating the Ph of Weak Acid or Base Solutions Using the Newton-Raphson Iteration Method. The Program Also Performs a Number of Interconversions of Ph, Poh, Ka, Kb, (H+), (Oh–), Etc. (Avail in Chemistry Sol Bk)
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10.138C 41-ACID-BASE EQUILIBRIUM (DIPROTIC)
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10.139C 41-VAN DER WAALS GAS LAW
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10.140C 41-BEER'S LAW AND ABSORPTIVITY CALCULATIONS
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10.141C 41-ACTIVITY COEFFICIENTS FROM POTENTIOMETRIC DATA
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10.143C 41-KINETICS USING LINEWEAVER-BURK OR HOFSTEE PLOTS
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10.145C OVERALL HEAT TRANSFER COEFFICIENT
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10.146C INSULATION BREAK EVEN ANALYSIS
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10.147C AIR FLOW IN CIRCULAR DUCTS
Can Be Used to Analyze Existing Ducts or Size New Ducts. (Avail. In Hvac Sol. Bk.)
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This catalogue is complementary to your original catalogue (color pages), and can be used on similar lines. The inside cover page is to be replaced.
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The pages under ''program abstract'' are **additional** to the previous catalogue.

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Le pagine «compendio» vengono ad **aggiungersi** al catalogo precedente.

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APPLICATION INDEX

PROGRAM ABSTRACT

KURZBESCHREIBUNG

PRÉSENTATION INDIVIDUELLE

COMPENDIO

PROGRAM ABSTRACTS

10148 ALPHA-NUMERIC-CONVERSION
C

THIS PROGRAM STORES IN THE X-REGISTER THE NUMERIC VALUE OF ANY NUMBER UP TO 18 CHARACTERS STORED IN THE ALPHAREGISTER. IT USES 4 FLAGS AND DOES NOT USE ANY OF THE DATASTORAGE REGISTERS.BUT IT NEEDS 64 REGISTERS FOR PROGRAM STORAGE & IT IS RATHER SLOW:
- IT TAKES ABOUT 1/2 MINUTE TO CONVER 1
- IT TAKES ABOUT 3 MINUTES TO CONVERT -9,999,999,999E-99

BOTH FLAG 28 & FLAG 29 MUST BE CLEARED

00227 PGM LINES 000 DATA REGS
ROBERT FRANKEN
NL - DELFT

10149 TRIGONOMETRIE HYPERBOLIQUE
C

THIS PROGRAM COMPUTES THE VALUE OF SH(X),CH(X),TH(X) AND THEIR INVERSE IN ANY SYSTEM OF ANGLE UNITY. IT IS VERY SHORT AND CAN BE CALL SUBROUTINE INTO A GENERAL PROGRAM.IT DOES WORK WITHOUT ANY USE OF A MEMORY.

00108 PGM LINES 023 DATA REGS
FREDERIC BROUARD
F - CHARENTON

10150 BEARING LINE OF POSITION
C

THE PROGRAM COMPUTES SHIP'S POSITION GIVEN BEARINGS TO TWO KNOWN OBJECTS.
FIX MAY BE A STATIONARY- OR A RUNNING FIX, WHEN THE SECOND "BEARING" IS TO THE SAME OBJET AS THE FIRST. THE HP-41C ALWAYS PROMPTS FOR EVERY INPUT.

00156 PGM LINES 008 DATA REGS
W L C BRUNINGS
NL - BILTHOVEN

10151 LINEAR PROGRAMMING
C

THE PROGRAM COMPUTES THE MAXIMALISATION OF A SYSTEM OF 8 LINEAR INEQUALITIES AND 8 VARIABLES.

00283 PGM LINES 186 DATA REGS
JOHN VAN THIELEN
B - STABROEK

10152 ORDINARY DIFFERENTIAL EQUATIONS
C

THIS PROGRAM FINDS THE SOLUTION OF AN ORDINARY DIFFERENTIAL EQUATION OF THE FIRST ORDER:
Y'+F(X,Y)=0, WITH 6,7 RUNGE-KUTTA, BUTCHER METHOD.
A VERY GREAT ACCURACY IS THE RESULT

00191 PGM LINES 053 DATA REGS
JOHN VAN THIELEN
B - STABROEK

10153 HORIZONTAL BEAMS
C

PROGRAM SOLVES THE PROBLEM OF A HORIZONTAL BEAM OF LENGTH OF L METRES, FIXED AT ONE END AND FREELY SUPPORTED AT THE OTHER END, CARRIES A UNIFORM LOAD Q (NM EXP-1) OF LENGTH AND A WEIGHT P AT THE MIDDLE.
WITH THIS PROGRAM YOU CAN LOCATE THE POINT OF MAXIMUM DEFLECTION AND THIS DEFLECTION IN METRES, WHEN ALSO GIVEN IS I AND E.

00152 PGM LINES 051 DATA REGS
JOHN VAN THIELEN
B - STABROEK

10154 ROAD HORIZONTAL ALIGNMENT (HZUNE)
C

THIS PROGRAM CALCULATES AND PRINTS THE HAND OF THE CURVE, INTERSECTION ANGLE, TANGENT LENGTH EXTERNAL DISTANCE,CHAINAGE & COORDINATES OF THE START, MID POINT & END OF THE CURVE & THE CO-ORDINATES OF THE CENTRE OF THE CURVE RADIUS, FOR EACH HORIZON-

10154 (CONTD)

TAL CURVE ALONG A ROAD (UP TO 8 CURVES); GIVEN THE CO-ORDINATES OF THE START & END OF THE ROAD, THE INTERSECTION PNTS. OF THE STRAIGHTS & THE RADII OF THE CURVES. THE INPUT DATA ARE PROMPTED FOR BY THE PROGRAM & ALSO PRINTED ALONG WITH THE CHAINAGE AT THE END OF THE ROAD

00242 PGM LINES 040 DATA REGS
DONALD H A HALL
UK - SUDBURY

10155 CIPHER MACHINE
C

PROGRAM CHANGES YOUR CALCULATOR IN A CIPHER MACHINE. YOU CAN USE ALL 59 ALPHA SIGNS OF THE CALCULATOR TO CIPHER OR DECIPHER YOUR OWN TEXTS. THERE ARE MORE THAN 1089 KEYS POSSIBLE.

00076 PGM LINES 084 DATA REGS
RAIMUND BERG
D - KREUZTAL

10156 DIVISION
C

THIS PROGRAM DIVIDES TWO REAL NUMBERS AND DISPLAYS ALL DIGITS. YOU CAN CHOOSE UP TO 999 DIGITS AFTER THE DECIMAL POINT. ONLY THE SIGNIFICANT DIGITS ARE DISPLAYED.

00123 PGM LINES 038 DATA REGS
RAIMUND BERG
D - KREUZTAL

10157 RPN STACK WITH COMPLEX NUMBERS
C

THIS PROGRAM MAKES IT POSSIBLE TO OPERATE WITH COMPLEX NUMBERS AS YOU HABITUATED BY ORDINARY NUMBERS. IT DISPOSES YOU OF FOLLOWING FUNCTIONS RPN, STACK, LAST INPUT, 55 DATA REGISTERS, +, -,/, *, 1/X, YX, ENTER, ROLL UP, ROLL DOWN, X**2, SQRT,C1X, C1ST, C1RG, STO, RCL, PI, X EXCHANGE Y, CHS, REAL NUMBER, 3 DISPLAY MODES, 2 INPUT MODES.

00281 PGM LINES 190 DATA REGS
RAIMUND BERG
D - KREUZTAL

10158 TWO-VALUED LOGIC
C

AUTOMATIC COMPUTATION OF FULL TRUTH-TABLES IN THE 2-VALUED PROPOSITIONAL CALCULUS CONTAINING UP TO TEN INPUT-VARIABLES. EVALUATION OF SHORT FORMULAE VIA KEYBOARD.
NINE CONNECTIVES.
TRUE/FALSE LINES ONLY CAPABILITY.

00103 PGM LINES 032 DATA REGS
JIM R KUTSCHERA
D - WALLDORF

10159 PERMUTATIONS
C

INPUT:A SET OF ANY 2<=N REAL NRS. (EG:7,-1,PI),WHERE 'N' IS LIMITED ONLY BY THE NUMBER OF 'EXISTENT' DATA-REGISTERS. IN BASIC CONFIGURATION,WITH NO OTHER PRM IN MEMORY, 'N'<=31.OUTPUT:EITHER./NEXT PERMUTTATION (7,PI,-1),OR/BASIC NATURAL PERMUT. (-1,PI,7),OR/LIST OF ALL PERMUTS. IN NATURAL ORDER,OR/ LIST OF ALL REMAINING PERMUTS.,GIVEN THE INPUT, IN NATURAL ORDER.-2 INPUT & 2 DISPLAY/OUTPUT ROUTINES.-AUTOLOAD TO GENERATE PERMUTS. OF THE FIRST N<=9 NATURAL NUMBERS.-FAST REGISTER SORT SUBROUTINE INCLUDED WITH STACK

00123 PGM LINES 032 DATA REGS
JIM R KUTSCHERA
D - WALLDORF

10160 HF-CHART
C

USING THIS PROGRAM YOU CAN REPLACE THE WELL KNOWN HF-CHART THROUGH YOUR CALCULATOR. THE HF-CHART CONTAINS A GRAPHICAL DISPLAY OF THE

10160 (CONTD)

RELATIONSHIPS BETWEEN FREQUENCY F, INDUCTIVITY L, CAPACITY C AND REACTANCE XL,C. THE SAME ACHIEVES YOUR CALCULATOR WHEN USING AN INTERCHANGEABLE SOLUTION PROCEDURE WHICH TAKES ADVANTAGE OF THE KEYBOARD SENSING FLAG 22. THAT MEANS IF TWO VALUES OF F=(L,C,XL,C) ARE KNOW, YOU CAN COMPUTE THE UNKNOWN VALUES. THE UNKNOWN VALUE WILL BE DISPLAYED ALPHANUMERICALLY.

00111 PGM LINES 004 DATA REGS
UWE ENGELBRECHT
D - KOBLENZ

10161 PROGRAM POINTER
C

THIS PROGRAM EXECUTES THE PROGRAM YOU DESIRE.

00008 PGM LINES 001 DATA REGS
ALAIN BERGER
CH - BOUDRY

10162 PHONE BOOK
C

THIS PROGRAM GIVES THE PHONE NUMBER ASKED WITH A 3-LETTERS CODE REPRESENTING THE NAME SEARCHED.
NO OF DATA REGISTERS N+1*

00040 PGM LINES 000 DATA REGS
ALAIN BERGER
CH - BOUDRY

10163 LUNAR LANDER
C

THE PROGRAM SIMULATES A ROCKET LANDING ON THE MOON. THE ROCKET IS FREE FALLING TOWARDS THE SURFACE, TAIL-FIRST. YOU HAVE TO IGNITE YOUR ROCKETS TO SLOW YOUR DESCENT; BUT THE FUEL SUPPLY IS LIMITED. IT IS YOUR TASK TO REACH THE MOON'S SURFACE WITH NO DOWNWARDS VELOCITY.

00132 PGM LINES 004 DATA REGS
ANDREAS DRIPKE
D - WIESBADEN

10164 HILO
C

HP TAKES A NUMBER BETWEEN 0 AND 1000, WHICH YOU HAVE TO GUESS. HP SHOWS 'HIGHER' OR 'LOWER' AND THE LIMITS FOR YOUR NEXT GUESS. WHEN YOU FOUND THE NUMBER YOUR SCORE AND MEAN SCORE ARE DISPLAYED. NOW IT IS HP'S TURN, AND YOU HAVE TO TELL HIM 'HIGHER' OR 'LOWER'. YOU HAVE A CHANCE TO BE BETTER THAN HP. HP'S FIRST GUESS IS RANDOM; ALL SUBSEQUENT GUESSES ARE HALF RANDOM. YOU CANNOT TAKE THE MICKEY OUT OF HIM.

00174 PGM LINES 008 DATA REGS
J VRIEND
NL - HAARLEM

10165 REACT
C

HP SHOWS ATTENTION N FOR A FEW SECONDS, HOWEVER, THIS TIME IS VARIABLE. WHEN THE DISPLAY CLEARS, PRESS R/S AS QUICKLY AS POSSIBLE AND READ THE TIME YOU NEEDED. PRESS R/S AGAIN TO RESTART. YOU HAVE 10 CHANCES.

00075 PGM LINES 003 DATA REGS
J VRIEND
NL - HAARLEM

10166 SIZE?
C

THIS VERY LITTLE PROGRAM FINDS THE SIZE OF YOUR HP-41C WITHOUT DISTURBING ANYTHING BUT LAST X.

00016 PGM LINES 000 DATA REGS
J VRIEND
NL - HAARLEM

10167 DECIMAL-BINAIR CONVERTER
C

10167 (CONTD)

THIS PROGRAM CONVERTS DECIMAL NUMBERS (1048576>X>0) INTO THE BINAIR CODE (MAX 20 BITS), AND A BINAIR INTO THE DECIMAL FORM

00135 PGM LINES 005 DATA REGS
R MEIJLINK
NL - BREUKELEN

10168 NIMBLE
C

A) THIS IS THE GAME OF 'NIM' OR 'MATCHSTICK' BUT WITH TIME-LIMITS ON MOVES, AND 'ANTI-CHEAT' DEVICE
B) THE PLAYER SETS A START NUMBER LIMIT. HP-41C SELECTS ACTUAL START NUMBER, PLAYER SETS MAXIMUM TAKE, THEN HP-41C HAS FIRST TAKE. WHOEVER IS LEFT WITH 1 "MATCHSTICK" LOSES A ROUND
C) SCORE IS DISPLAYED AFTER EACH ROUND

00163 PGM LINES 059 DATA REGS
MIKE O'REGAN
UK - NOTTINGHAM

10169 VESSEL SPEED & PROPELLR DIMENSIONS
C

COMPUTES SPEED OF A POWER-DRIVEN VESSEL AND THE DIMENSIONS OF THE OPTIMAL PROPELLER. GIVES REASONABLY ACCURATE RESULTS FOR A VERY WIDE RANGE OF HULL DIMENSIONS, PROVIDED THAT THE FROUDE NUMBER DOES NOT EXCEED 0.44.
PROGRAM IS ADAPTATION OF PR 51139 D MADE FOR HP-41C, PRGM 51139 NOT BEING COMPATIBLE.
THIS PROGRAM IS THE HP-41C ANALOGON OF THE BAUMGARTNER-MENZI HP-67 PRGM

00173 PGM LINES 007 DATA REGS
W L C BRUNINGS
NL - BILTHOVEN

10170 SIMULATION OF A FILE
C

THIS PROGRAM SIMULATES A FILE ACCORDING TO KNOWN PARAMETERS WHICH DETERMINE THE FREQUENCY OF THE ARRIVALS AND THE DEPARTURES OF CUSTOMERS, AND RECORDS THE DETAILS OF THEIR MOVEMENTS. MININUM ONE MEMORY MODULE REQUIRED.

00275 PGM LINES 020 DATA REGS
BRUNO DESCLEE
B - BRUSSELS

10171 ELECTORAL COMPUTATION BY D'HONDT'S LAW, FOR <=10 PARTIES
C

DURING ELECTIONS, KNOWING THE NUMBER OF PARLIAMENT SEATS AVAILABLE AND THE VOTES SCRUTINIZED BY EACH PARTY,IT IS DESIRED TO DISTRIBUTE SAID PARLIAMENT SEATS AMONG THE DIFFERENT PARTIES ACCORDING TO D'HONDT'S LAW. THIS PROGRAM IS VALID FOR A NUMBER OF PARTIES EQUAL OR LESS TO TEN.

00141 PGM LINES 058 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

10172 THREE-VALUED LOGIC
C

AUTOMATIC COMPUTATION OF FULL TRUTH TABLES IN THE THREE-VALUED PROPOSITIONAL CALCULUS CONTAINING UP TO TEN INPUT VARIABLES. 'TRUE (INDET./ FALSE) LINES ONLY' CAPABILITY. TAUTOLOGY INDICATION.
ALL TEN OF REICHENBACH'S FUNCTORS (INCLUDING LUCASIEWIC'S THREE)

00138 PGM LINES 040 DATA REGS
JIM R KUTSCHERA
D - WALLDORF

10173 CAR PERFORMANCE
C

PROGRAM COMPUTES :
./FUEL CONSUMPTION IN LITERS PER 100 KM GIVEN ODOMETER READING &

10173 (CONTD)

LITERS PURCHASED ON LAST FILL-UP;
./TOTAL COMSUMPTION AVERAGE BASED ON LAST 13 FILL-UPS;
./%-CHANGE OF LAST AVERAGE WITH REFERENCE TO TOTAL AVERAGE.
PROGRAM AND DATA REQUIRE ONE MAGNETIC CARD ONLY.

00059 PGM LINES 016 DATA REGS
JIM R KUTSCHERA
D - WALLDORF

10174 FLIGHT PLANNING AND MANAGEMENT
C

PROGRAM PERFORMS ALL NAVIGATION FLIGHT PLANNING AND WILL PROMPT FOR NECESSARY INPUTS. VARIATION, TRUE TRACK REQUIRED & DISTANCE FOR EACH LEG CAN BE INPUT MANUALLY OR FROM LEG DATA-CARDS FOR UP TO 16 LEGS, GIVING LEG IDENTIFIER & LEG DATA. PROGRAM WILL HANDLE CROSSING OF CHECK POINTS IN CLIMB SEGMENT. COMPUTED LEG-TIMES ARE STORES ASSOSIATED WITH THE LEG IDENTIFIER FOR INFLIGHT CHECK OF PROGRESS. PROGRAM IS TAYLORED FOR USE WITH A CESSNA 337 SKYMASTER, BUT MAY EASILY BE MODIFIED TO SUIT OTHER AIRCRAFT.

00429 PGM LINES 050 DATA REGS
JAN MEYER
N - TRONDHEIM

10175 BUILD NAVIGATION LEG DATA CARDS
C

THE PROGRAM IS USED TO BUILD DATA FOR NAVIGATION LEG-CARDS. THE PROGRAM IS A COMPANION TO FLIGHT PLANNING AND MANAGEMENT BY THE SAME AUTHOR. IT WILL PROMPT FOR THE NECESSARY INPUTS AND FOR THE LEG CARD WHEN READY TO WRITE. UP TO 16 LEGS ARE ACCEPTED ON ONE CARD.

00066 PGM LINES 033 DATA REGS
JAN MEYER
N - TRONDHEIM

10176 PRIMALITY TEST AND SEARCH
C

GIVEN THE INPUT, ANY POSITIVE INTEGER IN THE RANGE BETWEEN THREE AND 9,999,999,999, THIS LINEAR MOD-30 PRGM WILL
./DETERMINE WHETHER THE INPUT IS PRIME OR COMPOSITE;OR
./SEARCH FOR THE NEXT PRIME NUMBER GREATER/SMALLER THAN THE GIVEN INTEGER.

00167 PGM LINES 040 DATA REGS
JIM R KUTSCHERA
D - WALLDORF

10177 THREE SORTING SUBROUTINES
C

THREE NUMBER SORTING SUBROUTINES OF DIFFERENT LENGTH (25 TO 60 PROGRAM LINES) & DIFFERING EXECUTION SPEEDS (CSA-64 TIMES BETWEEN 12 SECONDS & 7 MINUTES 30) ARE OFFERED.
ALL INDEXING IS DONE IN THE STACK- AND THE LAST-X REGISTERS.

00118 PGM LINES 012 DATA REGS
JIM R KUTSCHERA
D - WALLDORF

10178 FAITES VOS JEUX
C

THE CALCULATOR GENERATES TWO RANDOM NUMBERS, AND GIVES YOU THE ODDS (MULTIPLIER). AFTER YOU HAVE PLACED YOUR BET, THE CALCULATOR GIVES YOU THE THIRD RANDOM NUMBER. WHEN THIS LAST NUMBER IS BETWEEN THE FIRST TWO YOU WIN THE BET, YOUR BET IS THEN MULTIPLIED, AND ADDED WITH THE CONTENDS OF THE BANK. IF YOU LOOSE YOUR BET IS SUBTRACKTED FROM THE BANK CONTENDS.

00132 PGM LINES 007 DATA REGS
R MEIJLINK
NL - BREUKELEN

10179 DATA STORAGE (LBL GET OPS)
C

THIS PROGRAM STORES UP TO 302 NUMBERS (DEPENDING ON HOW MUCH MEMORY MODULES YOU HAVE) AND PUT THEM INTO ARITHMETICAL ORDER

00064 PGM LINES 003 DATA REGS
GEERT VERCAUTEREN
B - MELSELE

10180 LOTTO-GAME
C

THIS PROGRAM IS A SIMULATION OF THE BELGIUM LOTTO. YOU HAVE A CERTAIN AMOUNT IN CASH. EACH TIME YOU PLAY THE GAME, IT'S GOING DOWN. IF YOU HAVE, FROM THE 6 NUMBERS YOU HAVE TO GUESS,3 OR MORE RIGHT, YOUR BANK INCREASES WITH A CERTAIN AMOUNT. THE GAME IS OVER WHEN YOUR BANK IS BROKE! (CHOOSE 6 NUMBERS BETWEEN 1 AND 40)

00227 PGM LINES 020 DATA REGS
GEERT VERCAUTEREN
B - MELSELE

10181 CALCULATOR EXTENSION ROUTINES
C

ROUTINES ARE USED TO SIMPLIFICATE THE CONSTRUCTION OF CALCULATOR EXTENSION PROGRAMS. A CALCULATOR EXTENSION PROGRAM IS A PROGRAM THAT WORKS EXACTLY LIKE THE CALCULATOR DOES: THE STACK CHANGES NORMALLY, & LASTX SAVES X. ALSO IF AN ERROR OCCURS, THE CALCULATOR DOESN'T STOP IN THE MIDDLE OF A PROGRAM, THESE ROUTINES RESTORE STACK & LASTX & DISPLAYS AN ERROR-MESSAGE. PARTICULARLY WHEN WORKING THROUGH MANUAL CALCULATIONS, THOSE INCLUDE SPECIAL FUNCTIONS (HYPERBOLICS,BESSEL,ETC) FLAG 25 IS USED TO DETECT ERROR

00075 PGM LINES 005 DATA REGS
BJORN ENGSIG
DK - ALLEROD

10182 HYPERBOLICS AND OTHER FUNCTIONS
C

THIS IS A CALCULATOR EXTENSION PROGRAM AND IT NEEDS PROGRAM NO 10181 AS A SUBROUTINE. THE PROGRAM CALCULATES THE FOLLOWING: THREE HYPERBOLICS AND THEIR INVERSES, LOGARITHM IN ANY BASE, AND CUBE AND CUBEROOT. 202 BYTES OF PROGRAM, MINIMUM SIZE 016.

00085 PGM LINES 000 DATA REGS
BJORN ENGSIG
DK - ALLEROD

10183 LINEAR REGRESSION AND ESTIMATE
C

THIS IS A CALCULATOR EXTENSION PROGRAM, AND IT NEEDS PROGRAM NO 10181 AS A SUBROUTINE. THE PROGRAM PERFORMS LINEAR REGRESSION UPON ENTERED DATA-PAIRS. THE COEFFICIENT OF DETERMINATION MAY BE CALCULATED. UPON THE CALCULATED VALUES ONE MAY FIND A Y-ESTIMATE FROM X OR VICE VERSA. 218 BYTES OF PROGRAM,MINIMUM SIZE 025.

00102 PGM LINES 008 DATA REGS
BJORN ENGSIG
DK - ALLEROD

10184 CALENDAR
C

PROGRAM PERFORMS INTERCHANGEABLE SOLUTIONS OF 2 DATES & NUMBER OF DAYS BETWEEN THEM;GIVEN 2 OF THE VALUES THE THIRD MAY BE CALCULATED. FURTHERMORE,THE PROGRAM INCLUDES 2 ROUTINES, THOSE CONVERT BETWEEN A DATE & A DAY-NUMBER & VICE VERSA. SINCE NEITHER OF THESE ROUTINES USE DATA-REGISTERS OR FLAGS, THEY MAY ALSO BE USED AS SUBROUTINES IN OTHER PROGRAMS. DATE-FORMAT IS DD, MMYYY,& THE DAYS OF THE WEEK ARE GIVEN IN ENGLISH. ANOTHER VERSION WITH DANISH DAYS IS ALSO IN UPLE. PROGRAM ALSO FINDS DAY OF THE WEEK

PROGRAM ABSTRACTS

10184 (CONTD)

00170 PGM LINES 003 DATA REGS
BJORN ENGSIG
DK - ALLEROD

10185 **COMPUTING DEVIATION COEFFICIENTS AND DEVIATION OF COMPAS COURSES**
C
FROM 5 PAIRS OF COMPAS DEVIATIONS AND COMPAS COURSES THE COEFFICIENTS A B C D AND E ARE COMPUTED.THEY CAN BE USED TO CALCULATE THE DEVIATION ON OTHER COMPAS COURSES. IN THE END THE MAGNETIC COURSE CAN BE COMPUTED

00415 PGM LINES 130 DATA REGS
W L C BRUNINGS
NL - BILTHOVEN

10186 **INDEX OF DIVERSITY**
C
THIS PROGRAM COMPUTES THE INDEX OF DIVERSITY (MEAN INFORMATION IN BITS) FOR A SAMPLE OF Q SPECIES AND N. INDIVIDUALS FOR SPECIES Q. TWO INDEXES ARE AVAILABLE:SHANNON AND MARGALEF. THE PROGRAM COMPUTES ALSO THE INDEX OF EQUITABILITY E AND THE SUM OF INDIVIDUAL AND THE SUM OF SPECIES.

00160 PGM LINES 008 DATA REGS
JEAN-PIERRE REYS
F - MARSEILLE

10187 **SHIPHUNTING**
C
IN A GRID OF 100X100, YOU SHOOT AT THE SHIP;AS YOU GET CLOSE,IT MOVES. THE CLOSER YOU SHOOT, THE SLOWER IT RUNS AWAY, BUT IF YOU MISSHOOT, YOU HAVE TO START OVER BECAUSE IT CAN RUN AWAY AGAIN AT FULL SPEED.
P.S.: THE SHIP ALWAYS RUNS AWAY FROM YOUR SHOT, NOT AT RANDOM

00150 PGM LINES 010 DATA REGS
ERIC VAN LADEGHEM
B - BEVAEREN

10188 **REACTIONTEST**
C
PROGRAM GIVES YOUR REACTIONTIME IN VALUES FROM 1 TO 15 AND THE MEAN AFTER TEN TRIALS.
(PROGRAM IS NOT VERY FAST)

00079 PGM LINES 004 DATA REGS
ERIC VAN LADEGHEM
B - BEVEREN

10189 **STEAM BOILER EFFICIENCY BY HEAT LOSS METHOD - ASME TEST CODES**
C
STEAM BOILER EFFICIENCY BY HEAT LOSS METHOD. ACCORDING TO ASME TEST CODES. UNCORRECTED OR CORRECTED TO STANDARD OR GUARANTEE CONDITIONS. THE COMPUTATION IS SIMPLIFIED TO CONSIDER FIXED THE HEAT LOSS BY MOISTURE THE COMBUSTION AIR AND THE HEAT LOSS BY RADIATION, DUE TO SMALL INCIDENCE TO EFFICIENCY.

00158 PGM LINES 056 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

10190 **TENNIS**
C
THIS PROGRAM COUNTS FOR YOU A TENNIS-MATCH. IT SHOWS YOU THE POINTS IN A GAME, THE SCORE OF GAMES AND SETS, "DEUCE","ADVANTAGE" AND WHO'S TO SERVE NEXT. IT CONSIDERS "TIE-BREAK". YOU CAN RUN THE PROGRAM WITH A PRINTER TO GET A COMPLETE DOCUMENTATION OF THE MATCH WITHOUT ANY CHANGES.

00236 PGM LINES 084 DATA REGS
ORTWIN RAVE
D - AACHEN

10191 **CALCULATION OF ERROR**
C
THIS PROGRAM COMPUTES THE ERROR ON

10191 (CONTD)

THE SUM, THE DIFFERENCE, THE MULTIPLICATION OR ON THE DIVISION OF TWO NUMBERS OR MORE, KNOWING THE ABSOLUTE ERROR ON EACH NUMBER. IT ALSO COMPUTES AUTOMATICALLY THE RELATIVE ERROR ON THE FINAL RESULT OR ON ANSPECIFIED INTERMEDIATE RESULT.

00084 PGM LINES 005 DATA REGS
ERIC DETHIOUX
B - NAMUR

10192 **SUN ALMANAC**
C
THIS PROGRAM COMPUTES GREENWICH HOUR ANGLE AND DECLINATION OF THE SUN FROM THE DATE AND THE EXACT GREENWICH MEANTIME. FOR SUN LINES OF POSITION AN ALMANAC IS NO MORE NECESSARY.

00205 PGM LINES 057 DATA REGS
WOLFGANG KOEBERER
D - FRANKFURT AM MAIN

10193 **POISSON DISTRIBUTION**
C
THIS PROGRAM EVALUATES THE POISSON DENSITY FUNCTION AND CUMULATIVE DISTRIBUTION FOR GIVEN VALUES OF X (POSITIVE INTEGERS)=WITH MEAN= VARIANCE=LAMBDA

00034 PGM LINES 005 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10194 **PARABOLIC CURVE FIT**
C
THIS PROGRAM FITS A PARABOLA TO A SET OF NUMBER PAIRS SUCH THAT THE SUM OF THE SQUARES OF THE ERRORS IS MINIMIZED.

00100 PGM LINES 020 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10195 **MOON ROCKET LANDER**
C
EXCITING ACTION GAME SIMULATING LANDING A ROCKET ON THE MOON.

00080 PGM LINES 015 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10196 **HOW FAST ARE YOU?**
C
DEPENDING ON A SEED, THIS PROGRAM FURNISHES A SEQUENCE OF ZEROS WITH RAPIDELY CHANGING DISPLAYS. YOU HAVE TO GUESS THE DISPLAY STATUS AND KEY IN YOUR ANSWER DURING THE SHORT PAUSES. GUESSING CORRECTLY GIVES ONE GOOD MARK PER GUESS. SCORE IS SHOWN AT REGULAR INTERVALS

00050 PGM LINES 009 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10197 **SPEARMAN'S RANK CORRELATION COEFFICIENT**
C
THIS PROGRAM TESTS WHETHER TWO RANKINGS ARE SUBSTANTIALLY IN AGREEMENT WITH ONE ANOTHER.

00069 PGM LINES 015 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10198 **PAIRED T STATISTIC**
C
THIS PROGRAM CALCULATES THE TEST STATISTIC, T, AND THE NUMBER OF DEGREES OF FREEDOM GIVEN A SET OF PAIRED OBSERVATIONS FROM TWO NORMAL POPULATIONS WITH UNKNOWN MEANS.

00025 PGM LINES 004 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10199 **ARITHMETIC, GEOMETRIC, HARMONIC, AND GENERALIZED MEANS**
C
THIS PROGRAM CALCULATES THE ARITHMETIC, GEOMETRIC, HARMONIC, AND CORRELATION COEFFICIENT GIVEN A SET OF NUMBER PAIRS.

00036 PGM LINES 006 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10200 **T-STATISTIC FOR TWO MEANS**
C
THIS PROGRAM CALCULATES THE TEST STATISTIC, AND THE NUMBER OF DEGREEES OF FREEDOM GIVEN TWO INDEPENDENT SETS OF OBSERVATIONS FROM TWO NORMAL POPULATIONS HAVING UNKNOWN MEANS AND THE SAME UNKNOWN VARIANCE

00049 PGM LINES 009 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10201 **SYNTHETIC DIVISION**
C
PERFORMS SYNTHETIC DIVISION OF A POLYNOMIAL OF DEGREE LESS THAN OR EQUAL TO 7 WITH REAL COEFFICIENTS

00033 PGM LINES 005 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10202 **POLYNOMIAL EVALUATION -REAL OR COMPLEX**
C
EVALUATES POLYNOMIALS WITH REAL OR COMPLEX COEFFICIENTS

00061 PGM LINES 011 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10203 **CALCULATION OF MITCHEL TOURNAMENT'S RESULTS**
C
USING THIS PROGRAM IT IS ENOUGH TO KEY IN RESULTS GOT BY N-S COUPLES IN EVERY TOURNAMENT'S HAND, TO OBTAIN FINAL WHOLE RESULTS. IT IS NOT NECESSARY TO COUNT THE SCORES, NEITHER KEY IN RESULTS GOT BY E-W COUPLES. THIS PROGRAM IS ONLY UTILIZABLE FOR PERFECT MITCHELL TOURNAMENTS IN WHICH NO. OF TABLES (EVEN) IS LIKE NO. OF PLAYED HANDS. ONE MEMORY MODULE IS REQUIRED (UP TO 23 TABLES).

00174 PGM LINES 000 DATA REGS
MASSIMO MASSA
I - ROMA

10204 **GIN GAME'S SCORER**
C
THIS PROGRAM TRANSFORMS YOUR HP-41C INTO A USEFUL GIN GAME'S SCORER. SCORES ARE RECORDED IN SIX DOUBLE COLUMNS. THE SCORE OF EVERY PLAYER MAY BE CONTINUALLY SEEN. CALCULATOR SIGNALS THE END OF THE GAME RECKONING UP SUMS.

00167 PGM LINES 062 DATA REGS
MASSIMO MASSA
I - ROMA

10205 **DECIMAL TO FRACTION**
C
THIS PROGRAM CHANGES DECIMAL NUMBERS IN FRACTIONS. IT IS AVAILABLE FOR RATIONAL PERIODIC OR NON-PERIODIC NUMBERS.

00092 PGM LINES 031 DATA REGS
MASSIMO MASSA
I - ROMA

10206 **RANDOM NUMBER GENERATOR**
C
THIS PROGRAM GENERATES SEQUENCES OF UNIFORMLY OR NORMALLY DISTRIBUTED NUMBERS

10206 (CONTD)

00068 PGM LINES 014 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10207 DISCRETE FOURIER TRANSFORM DFT
C
THIS PROGRAM COMPUTES FOR A DISCRETE SEQUENCE IN THE TIME DOMAIN WITH N SAMPLES, THE DISCRETE FOURIER TRANSFORM AND PRINT LE MODULE OF SPECTRUM.

00130 PGM LINES 144 DATA REGS
YVES LECLUSE
F - DOUVRES-LA-DELIVRANDE

10208 DISTOFF
C
TWO BEARINGS OF AN OBJECT, SUCH AS A LIGHTHOUSE, WILL GIVE DISTANCE FROM EACH BEARING, DISTANCE OFF A BEAM, AND A WARNING WILL FLASH IF YOU ARE TOO CLOSE.

00099 PGM LINES 000 DATA REGS
MARK WILDING
UK - ROTTINGDEAN

10209 SIMPLY SUPPORTED BEAM: MULTIPLE POINT LOADS
C
PROGRAM CALCULATES DEFLECTION AND SLOPE AT ANY POINT ALONG A SIMPLY SUPPORTED BEAM.MULTIPLE POINT LOADS MAY BE USED.

00117 PGM LINES 027 DATA REGS
ERIC VAN LANDEGHEM
B - BEVEREN

10210 GAME OF IDENTIFYING OF NUMBER PLATE OF A CAR
C
ARE YOU A GOOD POLICEMAN?
CAN YOU IDENTIFY AND REMEMBER THE NUMBER PLATE OF A CAR SEEN DURING ABOUT ONE SECOND? TRY THIS PROGRAM TO KNOW IT.

00161 PGM LINES 003 DATA REGS
ERIC DETHIOUX
B - NAMUR

10211 ENERGY LEVEL
C
THIS PROGRAM COMPUTES THE THEORETIC ORDER IN WHICH THE ENERGY LEVELS ARE FILLED IN AS THE NUMBER Z OF ELECTRON IS INCREASING. AS AN ILLUSTRATION: THE SODIUM (NA) Z=11, WE GET 1S**2 2S**2 2P**6 3S**1

00093 PGM LINES 005 DATA REGS
ERIC DETHIOUX
B - NAMUR

10212 EXTREME VALUES
C
THIS PROGRAM CALCULATES THE MAXIMUM AND MINIMUM OF ANY GIVEN FUNCTION.

00122 PGM LINES 014 DATA REGS
KLAUS BUBECK
D - STUTTGART

10213 TWO LANGUAGE DICTIONARY
C
PROGRAM ENABLES THE USER TO TRANSLATE WORDS OF ONE LANGUAGE TO ANOTHER & VICE VERSA; PROGRAM ALSO INCORPORATES A RAPID REVIEW OF WORDS & ALSO AUTOMATIC FEED IN FACILITIES. THE BASIC CALCULATOR CAN HOLD SIX-TWELVE LETTER WORDS & TWELVE SIX LETTER WORDS,EACH MODULE INCRESES THE CAPACITY BY 8 TWELVE LETTER WORDS & SIXTEEN SIX LETTER WORDS. CLASSIFY WORDS IN ALPHABETIC ORDER & STORE IN CARDS FOR LIMITLESS VOCABULARY. LANGUAGE WITH OWN SCRIPTS REQUIRE ENGLISH PHONETICS.

00060 PGM LINES 000 DATA REGS
MOHAMED L JAMALDEEN
GR - ATHENS

10214 SHAD
C
PROGRAM CALCULATES BASIC PARAMETERS IN RESPIRATORY MONITORING (FI02-PA02-AAD02-PA02/PA02-QS/QT-AVDC02).
DEPENDING UPON AVAILABLE BLOOD GAS DATA, PROGRAM AUTOMATICALLY SELECTS AND CALCULATES THE LARGEST POSSIBLE NUMBER OF THE ABOVE PARAMETERS. MOREOVER, A PREDICTION OF PA02 FOR ANY LEVEL OF FI02 IS PRESENTED.

00237 PGM LINES 090 DATA REGS
VAN POUCKE GUIDO
B - ST-KRUIS BRUGGE

10215 FRACTIONS
C
THIS PROGRAM WILL CALCULATE A PROPER FRACTION OF 2 GIVEN PROPER FRACTIONS COMBINED WITH AN OPERATOR (+; -; X; /). THE SPECIAL ROUTINE LBL "SIM" ENABLES YOU TO SIMPLIFY A PROPER FRACTION. A SECOND SPECIAL ROUTINE LBL "DECI" WILL CHANGE THE PROPER FRACTION INTO A DECIMAL ONE.

00115 PGM LINES 013 DATA REGS
MANFRED METTE
D - BREMEN

10216 64-POINT FAST WALSH-HADAMARD TRANSFORM
C
THIS PROGRAM COMPUTES A 64-POINT WALSH-HADAMARD TRANSFORM AND THE INVERSE ONE USING THE FAST ALGORHYTHM. THE WALSH MATRIX IS SEQUENCY-ORDERED- IN STEAD OF PERFORMING 4096 OPERATIONS TO COMPUTE THE TRANSFORM, THE FAST ALGORHYTHM NEEDS ONLY 384 OPERATIONS TO EXECUTE THE TRANSFORM. THE ECECUTION TIME OF A COMPLETE TRANSFORM IS LESS THAN FOUR MINUTES.

00184 PGM LINES 136 DATA REGS
MARCO ANNARATONE
I - MILANO

10217 TRAP!
C
TRAP IS ONE OF THESE GAMES WHERE YOU TRY TO GUESS AN INTEGER. HERE THE OBJECT IS TO FIND AN INTEGER BETWEEN 1 AND 10000 BY TRAPPING IT BETWEEN TWO OTHER NUMBERS. BY NARROWING THE DISTANCE OF THE TWO NUMBERS, YOU CAN FIND, IN THE LIMIT THE GIVEN NUMBER.

00071 PGM LINES 003 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10218 HIGH-LOW GAME
C
THE "TRADITIONAL" IN COMPUTING GAME OF HI-LO IN A NEW FORM. YOU OR YOUR HP-41C CAN HIDE AN INTEGER NUMBER BETWEEN 1 AND 1000 AND THE OTHER ONE TRIES TO FIND IT. THE ONE WHO TRIES TO FIND THE SECRET NUMBER PROPUSES AN INTEGER IN THE ABOVE DOMAIN AND THE OTHER REPLIES WITH "TOO HIGH" "TOO LOW" OR "CORRECT". WHEN "CORRECT" IS THE REPLY, THE CALCULATOR DISPLAYS THE NUMBER OF GUESSES AND BEGINS A NEW GAME. ALL COMMUNICATION IS CARRIED OUT WITH ALPHA MESSAGES.

00091 PGM LINES 007 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10219 G'S IN A CENTRIFUGE
C
GIVEN THE GO (ACCELERATION OF THE GRAVITY), THE RPM AND THE RADIUS OF REVOLUTION, THIS PROGRAM CALCULATES THE ACCELERATION IN G'S A CERTAIN PARTICLE EXPERIENCES IN A CENTRIFUGE.

00019 PGM LINES 002 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10220 R-L-C CIRCUIT CALCULATIONS (SERIES)
C
CALCULATES INTERCHANGEABLE SOLUTIONS OF RESONANCE FREQUENCY, INDUCTANCE AND CAPACITANCE IN A SERIES RLC CIRCUIT.
ALSO CALCULATES IMPENDANCE AT ANY GIVEN FREQUENCY.

00069 PGM LINES 004 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10221 MINEFIELD
C
CAN YOU CROSS A 9X9 MINEFIELD BEFORE YOUR BATTERIES OF YOUR MINE DETECTOR FAIL, OR WILL YOU BE BLOWN UP? ALPHA PROMPTS AND BEEPER MAKE THIS GAME A REAL FASCINATION.

00190 PGM LINES 062 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10222 GRAND MASTERMIND
C
THIS IS THE MOST DIFFICULT VERSION OF MASTERMIND (AFTER ROYAL MASTERMIND, WHICH IS FOR UP TO 4 PLAYERS) THE CODE CONSISTS OF 4 SHAPE-COLOUR PAIRS.CAN YOU FIND THE HIDDEN CODE?

00135 PGM LINES 014 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10223 LOTTO/LOTTERY WITHOUT REPLACEMENT
C
REFINEMENT OF 70011D "97-LOTTERIES" IN THAT ANY NUMBER OF INTEGERS FROM 0-99 CAN BE SELECTED RANDOMLY WITHOUT REPLACEMENT.
THIS VERSION SELECTS 7 VALUES FROM THE RANGE 1 THRU 41 AND STORES THEM IN REGISTERS 1 THRU 7. THE FIRST 6 REGISTERS ARE DISPLAYED IN ALPHA MODE.

00063 PGM LINES 010 DATA REGS
BOB VANDENBOSCH
NL - ROTTERDAM

10224 DIRECT EVALUATION OF IBM FLOATING POINT NUMBS.IN HEXADECIMAL NOTATION
C
IBM 370 FLOATING POINT NUMBERS IN SINGLE PRECISION (4 BYTES) NEED CONVERSION FROM HEXADECIMAL TO DECIMAL NOTATION WHEN STORAGE DUMPS ARE ANALYZED. THIS ROUTINE PERFORMS THE NECESSARY TRANSFORM.

00159 PGM LINES 010 DATA REGS
BOB VANDENBOSCH
NL - ROTERDAM

10225 DESIGN OF TRANSFORMER S <=1KVA
C
INPUT IS LIVE MAINS VOLTAGE AND FREQ., SECONDARY VOLTAGE AND CURRENT. OUTPUT IS METAL AREA, NEEDED COIL AREA, NUMBER OF COIL TURNS AND LEAD DIAMETERS.

00086 PGM LINES 011 DATA REGS
KNUT NYGAARD
N - HARSTAD

10226 FRACTIONAL NUMBERS CALCULATIONS
C
THIS PROGRAM MAKES CALCULATIONS WITH FRACTIONAL NUMBERS. THE RESULT IS DISPLAYED IN AN EXACT AND SIMPLIFIED FORM I.E. 1/3 INSTEAD OF 0.33333...

00100 PGM LINES 027 DATA REGS
PER SUNDVALL
S - KUNGSBACKA

10227 ACEY - DEUCY
C
THIS PROGRAM ALLOWS YOU TO PLAY THE GAME OF ACEY-DEUCY AGAINST THE CALCULATOR. THE WAY THE GAME IS PLAYED

10227 (CONTD)

IS THAT THE CALCULATOR FIRST GENERATES TWO RANDOM NUMBERS & SHOWS THEM TO YOU; THEN, AFTER YOU ARE GIVEN THE ODDS,YOU ENTER YOUR BET & A THIRD RANDOM NUMBER IS GENERATED: IF IT IS BETWEEN THE FIRST TWO YOU WIN THE BET. THE VALUE OF YOUR BANKROLL IS DISPLAYED AFTER EACH HAND

00106 PGM LINES 036 DATA REGS
MASSIMO MASSA
I - ROMA

10228 JIVE TURKEY
C

THIS GAME RESEMBLES THE CLASSIC GAME OF HI-LO, BUT ONLY UP TO A POINT:
THIS PROGRAM SOMETIMES "JIVES" YOU. TO PLAY THE GAME, YOU TRY TO GUESS A NUMBER THAT THE CALCULATOR HAS GENERATED. IT TELLS YOU WHETHER YOUR GUESS IS HIGH, LOW OR CORRECT (IN THIS CASE IT GIVES YOU A SCORE) HOWEVER, AT THE BEGINNING OF THE GAME, CALCULATOR HAS GENERATED A "PROBABILITY OF FALSEHOOD", BETWEEN 0 TO .5; THIS NUMBER DETERMINES HOW OFTEN THE CALCULATOR "JIVES" YOU.

00066 PGM LINES 025 DATA REGS
MASSIMO MASSA
I - ROMA

10229 TRANSFORMATION OF ARABIC NUMBERS INTO ROMAN NUMBERS
C

THIS PROGRAM MAKING USE OF ALPHA-NUMERIC CAPABILITY OF YOUR HP-41C, TRANSFORMS ARABIC NUMBERS INTO ROMAN NUMBERS.

00114 PGM LINES 035 DATA REGS
MASSIMO MASSA
I - ROMA

10230 TRANSFORMATION OF ROMAN NUMBERS INTO ARABIC NUMBERS
C

THIS PROGRAM, MAKING USE OF ALPHA-NUMERIC CAPABILITY OF YOUR HP-41C, TRANSFORMS ROMAN NUMBERS INTO ARABIC NUMBERS.

00166 PGM LINES 062 DATA REGS
MASSIMO MASSA
I - ROMA

10231 MASTER MIND (NUMB)
C

MASTER MIND GAME WITH VARIABLE NUMBER OF CIPHERS. THE PLAYER DETERMINES THE NUMBER. THE CIPHERS GENERATED BY THE HP-41C ARE ALL DIFFERENT.

00121 PGM LINES 000 DATA REGS
LIENART XAVIER
B - LEUVEN

10232 MULDIV
C

WITH THIS PROGRAM ONE CAN MULTIPLY A NUMBER OF UP TO 80 DIGITS BY ONE OF UP TO 80 DIGITS AND OBTAIN THE RESULT OF A DIVISION WITH AS MANY AS SEVERAL HUNDREDS DECIMALS.

00166 PGM LINES 000 DATA REGS
ELIE MADEUF
F - USSEL

10233 RECURSIVE MOVING POLYNOMIAL FIT OF SAMPLED DATA TIME SERIES
C

THIS PROGRAM IS BASED ON A PAPER BY PETER MENGERT AND JURIS G. RANDSEPS FIRST PUBLISHED IN 1973.IT COMPUTES

10234 UPT
C

THE PROGRAM CALCULATES THE UPTAKE OF TECHNETIUM INTO THE THYROID GLAND, USING AS STANDARD THE DOSE TO BE INJECTED, WHICH IS MEASURED BEFOREHAND. IT IS INTENDED FOR USE WITH A GAMMA CAMERA AND DATA PRO-

10234 (CONTD)

CESSING FACILITIES WHICH WILL IDENTIFY THE AREA ENCLOSING THE ORGAN, AND A SUITABLE BACKGROUND AREA.

00083 PGM LINES 014 DATA REGS
R A CARTER
UK - BIRMINGHAM

10235 BERNOULLI AND EULER NUMBERS
1<N<35
C

THIS PROGRAM CALCULATES BERNOULLI AND EULER NUMBERS. CALCULATION TIME IS ABOUT 2 MIN.

00099 PGM LINES 026 DATA REGS
TOPI LINKALA
SF - HELSINKI

10236 MASTERMIND SPECIAL
C

YOU MUST BREAK A CODE WITH RULES OF MASTERMIND. THE CODE HAS FIVE DIGITS WITH NUMERALS FROM 0-9. THE NUMERALS CAN EXIST TWO TIMES.

00234 PGM LINES 020 DATA REGS
LUDGER WETZEL
D - SPAICHINGEN

10237 TWO-WAY ANALYSES OF VARIANCE
C

THE PROGRAM COMPUTES A SIMPLE 2-WAY ANOVA, WITH REPEATED MEASURES ON FACTOR B, WITH REPEATED MEASURES ON A AND B, WITH FACTOR B NESTED WITHIN A, A SIMPLE LATIN SQUARE, AND A LATIN SQUARE WITH REPEATED MEASURES ON FACTORS B AND C. INPUT REQUIRED ARE THE CELL MEANS, STANDARD DEVIATION, AND SIZES, AND THE TREATMENT MEANS. OUTPUT IS A COMPLETE ANOVA SUMMARY TABLE. UNEQUAL SAMPLE SIZES ARE ACCEPTED VIA AN UNWEIGHED MEANS ANALYSIS.
ONE MEMORY MODULE IS REQUIRED.

00273 PGM LINES 026 DATA REGS
L H GILBERT
S.AFRICA - RONDEBOSH

10238 SCATTERGRAM
C

GIVEN A SET OF DATA PAIRS X,Y THE PROGRAM COMPUTES THE MEANS, STANDARD DEVIATIONS, AND COEFFICIENT OF CORRELATION. IT THEN PRINTS A SCATTERGRAM OF THE DATA POINTS, SCALED AS DESIRED BY THE USER. THE SCATTERGRAM CAN BE RE-PRINTED AS OFTEN AS NEEDED, WITH NEW SCALING PARAMETERS EACH TIME: THE PLOT CAN BE EXPANDED, CONTRACTED, OR CERTAIN REGIONS FOCUSED UPON AND ENLARGED. MAXIMUM OF EIGHT POINTS PER LINE. REQUIRES PRINTER, ONE MEMORY MODULE

00270 PGM LINES 064 DATA REGS
L H GILBERT
S AFRICA - RONDEBOSCH

10239 CORRELATION MATRIX
C

THE PROGRAM COMPUTES THE MEANS, STANDARD DEVIATIONS,AND CORRELATION MATRIX FOR UP TO EIGHT VARIABLES, AND ANY NUMBER OF SUBJECTS (CASES). ONE MEMOREY MODULE IS REQUIRED.

00236 PGM LINES 057 DATA REGS
L H GILBERT
S AFRICA - RONDEBOSCH

10240 RANDOM NUMBER EVALUATOR
C

THE PROGRAM EXECUTES A USER-PROVIDED RANDOM NUMBER GENERATOR, AND CHECKS THE OUTPUT IN THE FOLLOWING WAYS: THE MEAN AND STANDARD DEVIATION OF A SEQUENCE ARE COMPUTED; THE CORRELATION BETWEEN XI AND XI+1 IS CALCULATED; A RUNNING CHECK IS MADE TO DETERMINE WHEN THE GENEARATOR ENTERS A CLOSED CYCLE (IF EVER); A HISTOGRAM IS PLOTTED; AND A CHI-SQUARED TEST OF UNI-

10240 (CONTD)

FORMITY IS CALCULATED. THE PROGRAM REQUIRES ONE MEMOREY MODULE; A PRINTER IS RECOMMENDED.

00288 PGM LINES 036 DATA REGS
L H GIBERLT
S AFRICA - RONDEBOSCH

10241 AUTOMATIC INTEGRATOR
C

THIS PROGRAM IS AN AUTOMATIC ADAPTIVE INTEGRATOR. THE USER HAS TO SPECIFY :
1) THE LIMITS OF INTEGRATION
2) A ROUTINE FOR COMPUTING F(X)
3) A TOLERANCE, WHICH IS THE ABSOLUTE ERROR IN THE RESULT.
IT IS AN ADAPTIVE INTEGRATOR, THAT MEANS THAT THE POINTS AT WHICH THE INTEGRAND IS EVALUATED ARE CHOSEN IN A WAY THAT DEPENDS ON THE NATURE OF THE INTEGRAND.

00203 PGM LINES 033 DATA REGS
DIRK NERINCKX
B - MERELBEKE

10242 MOLECULAR WEIGHTS AND PERCENTAGES OF ELEMENTS IN ORGANIC COMPOUNDS
C

THE PROGRAM CALCULATES THE THEORETICAL VALUES OF ELEMENT ANALYSIS OF ORGANIC COMPOUNDS CONSISTING OF THE ELEMENTS C,H,O,N,P,S,CI,BR,F AND J, OR SOME OF THESE. THE PROGRAM ASKS FOR THE INDICES K,L,M,N...T OF THE BRUTTO FORMULA
CK HL OM NN PO SP CIQ BRR FS JT
THE MOLECULAR WEIGHT AND THE PERCENTAGES OF THE EXISTING ELEMENTS WILL BE CALCULATED AND DISPLAYED.

00117 PGM LINES 051 DATA REGS
HELMUT BERNHARDT
D - KIEL

10243 CALCULATION OF FUNCTION VALUES OF EXPERIMENTEL ACHIEVED CURVES
C

THIS PROGRAM ASKS FOR N PAIRS OF X-AND Y-VALUES OF POINTS OF AN EXPERIMENTEL ACHIEVED CURVE AND FOR ANOTHER X-VALUE, WHOSE FUNCTION VALUE Y IS TO BE CALCULATED. THE EXPERIMENTEL CURVE IS PUT INTO THE MEMORY BY THE X-AND Y-VALUES OF THE CHOSEN POINTS. THE PROGRAM DRAWS SECANTS CONNECTING THESE POINTS AND GENERATES Y-VALUES FOR GIVEN VARIABLES X ON THESE SECANTS. THE ACCURACY OF THIS METHOD DEPENDS ON THE AMOUNT OF THE POINTS AND THEIR POSITION IN THE CURVE.

00091 PGM LINES 000 DATA REGS
HELMUT BERNHARDT
D - KIEL

10244 FEL
C

CALCULATES FOUNDATION-PILEFORCES BY FELLENIUS METHOD. JUST KEY IN PILES ANGLE AND DISTANCE TO A POINT AND EXTERNAL FORCES, AND P1-PN ARE DISPLAYED. PILES CAN BE ADDED SUBTRACTED, PURGED, INSERTED, CORRECTED, EXCHANGED AND REPLACED. ALSO THE EXTERNAL FORCES CAN BE CHANGED WITHOUT DISTURBING THE PILES.
YOU CAN ASK FOR A LIST.

00668 PGM LINES 025 DATA REGS
J VRIEND
NL - HAARLEM

10245 DYNAMIC BALANCING OF ROTOR, BY THE ONE-PLANE VECTOR METHOD
C

FOR THE DYNAMIC BALANCING OF ROTOR, KNOWING THE VECTOR RESPONSIBLE OF THE INITIAL UNBALANCE AT THE ONE PLANE, THE TRIAL WEIGHT P1 WITH ITS POSITION AND THE CORRESPONDENT UNBALANCE VECTOR, IT MAY BE DETERMINED THE CORRECTOR WEIGHT P IN THE SELECTED BALANCING PLANE OF THE ROTOR.
NO OF DATA REGISTERS 35=19SIZE+16

10245 (CONTD)

00084 PGM LINES 000 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

10246 DYNAMIC BALANCING OF ROTOR, BY THE TWO-PLANE VECTOR METHOD
C

FOR THE DYNAMIC BALANCING OF ROTOR, KNOWING THE VECTORS RESPONSIBLE OF THE INITIAL UNBALANCE AT THE TWO PLANES. THE TRIAL WEIGHTS P1 AND P2 WITH THEIR POSITIONS AND THE COR-RESPONDENT UNBALANCE VECTORS, IT MAY BE DETERMINED THE CORRECTOR WEIGHTS PA AND PB, ONE EACH IN THE 2 SELECTED BALANCING OF THE ROTOR. FOR THESE COMPUTES IT'S NECESSARY TO INCLUDE ONE MEMORY MODULE.

00253 PGM LINES 000 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

10247 PERMUTATIONS OF A CHARACTER STRING
C

THIS PROGRAM GENERATES ALL PERMU-TATIONS OF A CHARACTER STRING. MAXIMUM LENGTH SIX CHARACTERS. THE RESULT WILL BE PRINTED IF PRINTER IS CONNECTED.

00088 PGM LINES 000 DATA REGS
LARS LANGEMYR
S - SKAERHOLMEN

10248 COMBINATIONS
C

INPUT A SET OF ANY 'N' (2<=N) REAL NUMBERS. ALL COMBINATIONS 'M' OUT OF 'N' ARE GENERATED. -2 INPUT-/ 2 OUTPUT-ROUTINES.
AUTOLOAD AVAILABLE. OUTPUT:EITHER./ BASIC NATURAL ORDER COMBINATION, OR./NEXT COMBINATION (GIVEN THE IN-PUT) OR./LIST OF ALL COMBINATIONS IN NATURAL ORDER, OR./LIST OF ALL REMAINING COMBINATIONS (GIVEN THE INPUT)

00163 PGM LINES 040 DATA REGS
JIM R KUTSCHERA
D - WALLDORF

10249 BIORHYTHM
C

YOUR HP-41C CALCULATES BIORHYTHM FOR SUCH A NUMBER OF DAYS AS YOU WANT.PROGRAM CALCULATES AUTOMATI-CALLY THE DATE OF EVERY NEW DAY. YOU CAN USE THE PROGRAM EVEN FOR A CANDELAR,ONLY DELETING A FEW STEPS.

00226 PGM LINES 005 DATA REGS
GUENTER ROESSL JUN
A - LEIBNITY

10250 SUBROUTINE
C

THIS HALF CARD PROGRAM CAN BE AN IMPORTANT PART OF HP-41C PRIVATE PROGRAMS. IT MAKES SURE THAT NOBODY IS ABLE TO USE A PROGRAM (PRIVATE) WITHOUT KNOWING YOUR CODE. IF YOU TAKE THIS PROGRAM AS A SUBROUTINE OF YOUR MAIN (PRIVATE) PROGRAM, YOU ARE ABLE TO TAKE YOUR OWN CODE (6 CHARACTERS), ONLY DELETING LINE 07, AND KEYING IN YOUR OWN CODE.

00025 PGM LINES 000 DATA REGS
GUENTER ROESSL JUN
A - LEIBNITZ

10251 STRAIGHT LINE DEPRECIATION SCHEDULE
C

THIS PROGRAM GENERATES THE VALUES FOR A DEPRECIATION SCHEDULE USING THE STRAIGHT LINE METHOD GIVEN THE STARTING BOOK VALUES, SALVAGE VALUE AND USEFUL LIFE EXPECTANCY.

00067 PGM LINES 011 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10252 VARIABLE RATE DECLING BALANCE DEPRECIATION SCHEDULE
C

THIS PROGRAM GENERATES THE VALUES FOR A DEPRECIATION SCHEDULE USING THE DECLINING BALANCE METHOD, GIVEN THE STARTING BOOK VALUE, SALVAGE VALUE, USEFUL LIFE EXPECTANCY AND DECLINING RATE FACTOR.

00089 PGM LINES 015 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10253 CROSSOVER POINT--DECLINING BALANCE TO STRAIGHT LINE
C

THIS PROGRAM CALCULATES THE OPTIMUM POINT IN THE USEFUL LIFE WHERE A SWITCH FROM THE DECLINING BALANCE METHOD TO THE STRAIGHT LINE METHOD SHOULD BE MADE GIVEN THE STARTING BOOK VALUE, SALVAGE VALUE, USEFUL LIFE EXPECTANCY AND DECLINING BALANCE FACTOR.

00064 PGM LINES 010 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10254 CHEMISTRY SOLUTIONS
C

ENTER THE SYMBOL OF ONE ELEMENT OF THE PERIODIC TABLE TO FIND ITS OXIDATION STATES
(NEEDS TWO MEMORY MODULES)

00231 PGM LINES 153 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10255 INTERNAL RATE OF RETURN
C

THIS PROGRAM CALCULATES THE PERIODIC INTERNAL RATE OF RETURN GIVEN THE INITIAL INVESTMENT AND SEVERAL CASH FLOWS

00070 PGM LINES 014 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10256 REAL ESTATE RENTAL INVESTMENT ANALYSIS
C

THIS PROGRAM CALCULATES MONTHLY RENT OR CASH FLOW, GROSS RETURN ON INVESTMENT, AND TAXABLE INCOME.

00069 PGM LINES 020 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10257 NOMINAL TO EFFECTIVE/EFFECTIVE TO NOMINAL RATE CONVERSION
C

GIVEN EITHER THE NOMINAL OR THE EFFECTIVE RATE (AND THE NUMBER OF COMPOUNDING PERIODS IN THE CASE OF FINITE COMPOUNDING) THE OTHER RATE IS CALCULATED FOR EITHER FINITE OR CONTINUOUS COMPOUNDING.

00051 PGM LINES 008 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10258 LEASE VERSUS PURCHASE
C

THIS PROGRAM CALCULATES THE PRESENT VALUE OF THE COST OF PURCHASING,THE PRESENT VALUE OF THE COST OF LEAS-ING, AND THE NET DIFFERENCE BETWEEN THE TWO.

00049 PGM LINES 008 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10259 SUM-OF-THE-YEARS'-DIGITS DEPRECIATION SCHEDULE
C

THIS PROGRAM GENERATES THE VALUES FOR A DEPRECIATION SCHEDULE USING THE SUM-OF-THE-YEARS'-DIGITS METHOD GIVEN THE STARTING BOOK VALUE, SALVAGE VALUE AND LIFE EXPECTANCY

10259 (CONTD)

00075 PGM LINES 012 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10260 "L" ATTENUATOR (GENERATOR IMPEDANCE GREATER THAN LOAD IMPEDANCE)
C

COMPUTES RESISTOR VALUES NEEDED TO REALIZE DESIRED PADS

00075 PGM LINES 013 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10261 PRIVATE TELEPHONE DIRECTORY
C

PROGRAM SUPPLIES TELEPHONE-NUMBERS FOR UP TO 15 NAMES AND/OR SYMBOLS. YOU ENTER YOUR PERSONAL CODENUMBER & START THE PROGRAM.THE HP-41C THEN ASKS FOR THE NAME OF THE PARTY,THEN SHOWS THE RIGHT NUMBER IF THE NAME IS LISTED.IN CASE THE NAME IS NOT LISTED,THE CALCULATOR WILL TELL YOU SO.IF YOU WRITE THIS PROGRAM ONTO A CARD USING THE 'WPRV' FUNCTION, YOU WILL HAVE A SECRET DIRECTORY,AS THE CALCULATOR TURNS OFF WHEN A WRONG CODENUMBER IS USED.THERE IS PRACTI-CALLY NO WAY TO FIND OUT THE NAMES AND NUMBERS IN YOUR DIRECTORY!

00126 PGM LINES 061 DATA REGS
WOLFGANG KOEBERER
D - FRANKFURT AM MAIN

10262 ARABIAN TO ROMAN NUMBER CONVERSION
C

THIS PROGRAM TRANSLATES A CYPHER FROM ARABIAN NUMERICAL SYSTEM TO ROMAN. 5 EXAMPLES ARE GIVEN WITH THE PROGRAM DESCRIPTION SHEETS.

00116 PGM LINES 009 DATA REGS
FREDERIC BROUARD
F - CHARENTON

10263 SERILOG (ENGLISH VERSION OF 25011)
C

THIS PROGRAM COMPUTES SUM LN N, SUM LOG N, SUM L N (2N-1) SUM LOG (2N-1), WITH N VARYING ONE BY ONE (OR TWO BY TWO FOR IMPARITY). IT ALSO COMPUTES N! AND PI 1X3X5X7... XN, AND CPN AND A**PN FOR VERY GREAT NUMBERS BETWEEN:10 AND 10**98 WITH A VERY GREAT PRECISION (9 DIGITS MIN) AND EXTREMELY RAPIDLY (10 TO 33 SECONDS MAX) THE PROGRAM CAN BE INCLUDED AS A SUBROUTINE PROGRAM. A SPECIAL ALGORITHME IS USED.

00136 PGM LINES 022 DATA REGS
FREDERIC BROUARD
F - CHARENTON

10264 MUSIC WRITER-CLARINET TRANSPOSITION
C

USING THE GRAPHICS CAPABILITIES OF THE 82143A PRINTER, THE PROGRAM PRINTS A MUSICAL SCORE. IN THIS CASE, THE MUSICAL SCORE IS A TRANS-POSITION FOR B-FLAT CLARINET, BUT SIMPLE PROGRAM CHANGES CAN YIELD ANY (OR NO) TRANSPOSITION. A THREE OCTAVE RANGE IS PROVIDED IN THE TREBLE CLEF, FROM E BELOW MIDDLE C TO THE D ABOVE THE STAFF. THE PRIN-TER PROVIDES THE CLEF;ALL THE NOTES AS EITHER QUAVERS, CROTCHETS, MINI-MUMS, OR SEMI BREVES; ALL SHARPS, FLATS, AND NATURALS; TIME AND KEY SIGNATURES; AND RESTS.

00384 PGM LINES 190 DATA REGS
L H GILBERT
SA - RONDEBOSCH

10265 LAP SCORING FOR CIRCUIT RACES
C

THE PROGRAM SCORES THE LAPS OF A CIRCUIT RACE, SUCH AS GRANDS PRIX, MOTO CROSS, RUNNING. THE LIST OF COMPETITORS NAMES AND NUMBERS IS BUILT UP (AND MAY BE EDITED AND STORED ON A MAGNETIC CARD) IN

10265 (CONTD)

MEMORY. THEN, THE USER KEYS IN THE NUMBER OF EACH COMPETITOR AS HE COMPLETES A LAP. THE PROGRAM MAINTAINS A COUNT OF THE LAPS COMPLETED BY EACH COMPETITOR, AND PROVIDES THE FINISHING ORDER AT THE END OF THE RACE. ONE MEMORY MODULE IS REQUIRED.

00249 PGM LINES 062 DATA REGS
L H GILBERT
RSA - RONDEBOSCH

10266 CALCULATIONS ON LIKERTSCALE BASED DATA : COLID
C

PROGRAM CALCULATES THE SUMMATED RATING SCORES, THE DISCRIMINATING POWERS OF ITEMS (LIKERT STYLE) AND THE INTERNAL CONSISTENCE USING THE SPLIT-HALF ODD-EVEN METHOD. DATA HAVE TO BE KEYED IN ONLY ONCE! EVERY REGISTER CONTAINS 10 DATA USING A SPECIAL PROGRAMMING TRICK.

00129 PGM LINES 028 DATA REGS
KLAUS HEIDENFELDER
D - WUERZBURG

10267 2 FUNCTIONS 2 UNKNOWNS RESOLUTION FOR ANY SYSTEMS (ENGL. VERS. 25032)
C

THIS PROGRAM COMPUTES THE SOLUTIONS OF A SYSTEM OF TWO FUNCTIONS FOR TWO UNKNOWNS. ANY SORTS OF FUNCTIONS CAN BE COMPUTED. THE PROGRAM USES AN ALGORITHM DEFINED BY NEWTON - 2 SAMPLES ARE SOLVED IN THE PROGRAM-DOCUMENTATION.

00135 PGM LINES 014 DATA REGS
FREDERIC BROUARD
F - CHARENTON

10268 HEAT RATE OF THE CICLE STEAM TURBINES, AND FLOWS COMPUTATION
C

KNOWING THE SPECIFIC ENTALPIES AND FLOWS AT DIFFERENT PARTS OF THE CYCLE STEAM-TURBINE, ARE CALCULATED THE EXTRACTIONS 1,2,3 STEAM-TURBINE FLOWS, FEEDWATER FLOW, BOILER-FEED TURBO-PUMP FLOW, SUPERHEAT STEAM INLET TURBINE FLOW, REHEAT STEAM OUTLET AN INLET TURBINE FLOWS, BOILER-FEED TURBO-PUMP POWER, AND HEAT RATE OF CYCLE STEAM-TURBINE. ALSO,THIS PROGRAM ENCLOSES CALCULUS OF CONDENSATED WATER FLOW USING A THROAT TAP-NOZZLE METER, AND CALCULUS OF THE FLOW BY THE LEVEL VARIATION DEAERATOR.

00299 PGM LINES 100 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

10269 SAFE
C

THIS PROGRAM PRESERVES YOUR HP-41C FROM USE BY UNAUTHORIZED PEOPLE.

00009 PGM LINES 000 DATA REGS
LUDGER WETZEL
D - SPAICHINGEN

10270 FIVE-STACK RPN
C

EVER WONDER IF YOUR HP WILL BE MORE POWERFUL AND FLEXIBLE SHOULD IT HAVE STACKS INSTEAD OF FOUR? THIS PROGRAM GIVES YOU ONE ADDITIONAL WORKING STACK, WITH SUPPORTING FUNCTIONS SUCH AS ENTER, RDN, X<>Y, STO, RCL, LASTX, CLX, CLST, +, -, *, /, 1/X, Y**X, %, AND AN OPTION TO DISPLAY ALL FIVE STACKS.

00106 PGM LINES 003 DATA REGS
NAI CHI LEE
SCP - SINGAPORE

10271 TANK HUNTING
C

THE CALCULATOR GENERATES A TANK AT RANDOM DISTANCE ADVANCING WITH A CERTAIN SPEED. YOU HAVE ONLY FIVE

10271 (CONTD)

SECONDS TO ESTIMATE THE SPEED, SET THE RANGE ON YOUR ANTI-TANK MISSILE (TAKING INTO ACCOUNT THE TIME OF FLIGHT), AND FIRE OFF BEFORE THE TANK STARTS FIRING AT YOU. FLAG SETTING ALLOWS DEGREES OF DIFFICULTY.

00118 PGM LINES 004 DATA REGS
NAI CHI LEE
SCP - SINGAPORE

10272 TIMER WITH ALARM
C

THIS PROGRAM TURNS YOUR CALCULATOR INTO A TIMER WITH FOUR ALARM SETTINGS. DISPLAY IS IN THE FORM H.MMSS AND SHOWS EVERY SECOND INTERVAL. THE TIMING ACCURACY CAN BE CALIBRATED TO 99.9% OR BETTER.

00066 PGM LINES 010 DATA REGS
NAI CHI LEE
SCP - SINGAPORE

10273 DECIMAL - HEXADECIMAL CONVERSION
C

COMPARED WITH THE SIMILAR PROGRAM GIVEN IN "HP-41C STANDARD APPLICATIONS", THIS ONE HAS THE FOLLOWING IMPROVEMENTS:
1) BOTH INTEGER AND FRACTION CAN BE USED
2) LENGHT OF NUMBERS CAN BE UP TO TEN DIGITS OR MORE
3) ONLY FIVE REGISTERS USED INSTEAD OF 21
4) SPEED FOR HEX. TO DEX. CONVERSION IS TWO TIMES FASTER.

00181 PGM LINES 005 DATA REGS
NAI CHI LEE
SCP - SINGAPORE

10274 AUTOMATIC CURVE FITTING
C

GIVEN A SET OF DATA PAIRS, THE PROGRAM WILL FIND COEFFICIENTS OF CORRELATION USING LINEAR, EXPONENTIAL, LOGARITHMIC & POWER CURVES TO SELECT THE BEST FIT. ALSO COMPUTES COEFFICIENTS A & B,X- & Y-ESTIMATES - DATA ARE ENTERED ONCE ONLY AND CAN BE DELETED AT ANY STAGE. ALLOWS MANUAL SELECTON.

00196 PGM LINES 018 DATA REGS
NAI CHI LEE
SCP - SINGAPORE

10275 BUBBLE SORT
C

NO OF DATA REGISTERS:
NUMBER OF ITEMS + 1
PROGRAM USES THE "BUBBLE SORT" OR EXCHANGE SELECTION,TO ARRANGE A SET OF NUMBERS IN ORDER (REG 01=MAX). TWO OPTIONS OF VIEWING/ENTERING DATA ARE PROVIDED. ON BASIC UNIT MAXIMUM N=44, BUT MAY BE INCREASED TO 53 IF MANUAL ENTERING IS USED. TIME OF SORTING T=4+0.16N*N APPROXIMATELY.

00064 PGM LINES 000 DATA REGS
NAI CHI LEE
SCP - SINGAPORE

10276 ALPHA-CHARACTER COMBINATIONS
C

A GAMES-SUBROUTINE IS OFFERED WHICH GIVEN A SET OF ONE OR MORE ALPHA-CHARACTERS WILL GENERATE ALL POSSIBLE COMBINATIONS 'M OUT OF N', WHERE 'M' IS ONE OR GREATER AND 'N' EQUAL TO OR GREATER THAN 'M', IS RESTRICTED ONLY BY THE NUMBER OF 'DATA-REGISTERS', 'EXISTENT' (70 PRGMLINES, 111 BYTES) - AN ALPHA-CHARACTER 'LOAD' & 'DISPLAY' ROUTINE IS INCLUDED (51 PRGMLINES 93 BYTES).

00121 PGM LINES 030 DATA REGS
JIM R KUTSCHERA
D - WALLDORF

10277 ALPHA-CHARACTER PERMUTATIONS
C

A GAMES-SUBROUTINE IS OFFERED WHICH WILL PUT A SET OF 'N'=ONE OR MORE ALPHA-CHARACTERS THRU ALL POSSIBLE PERMUTATIONS; 'N' IS RESTRICTED ONLY BY THE NUMBER OF 'EXISTENT' DATA-REGISTERS (49 PROGRAMLINES, 80 BYTES). - AN ALPHA-CHARACTER 'LOAD' & 'DISPLAY' SUBROUTINE (45 PROGRAMLINES, 80 BYTES) IS INCLUDED

00094 PGM LINES 023 DATA REGS
JIM R KUTSCHERA
D - WALLDORF

10278 FIND THE EXPRESSION
C

THIS PROGRAM DISPLAYS A SET OF NUMBERS ("S") AND AN INTEGER ("R"). PURPOSE OF THE GAME IS TO FIND AN ARITHMETICAL EXPRESSION YIELDING "R" WHEN SOLVED. EVERY NUMBER "S" MUST BE USED, BUT ONLY ONCE (USE OF BRACKETS IS FREE).A CORRECT EXPRESSION IS ALWAYS AVAILABLE AND MAY BE DISPLAYED ON REQUEST.

00371 PGM LINES 014 DATA REGS
PAOLO NAGGAR
I - RIGNANO FLAM

10279 MANT
C

THIS PROGRAM PERFORMS THE SAME FUNCTION AS THE HP SCIENTIFIC CALCULATORS OF SERIES "E". IT REVIELS THE HIDDEN DIGITS THAT ARE NOT SHOWN IN THE DISPLAY WHILE LEAVING THE MODE(FIX N,ENG N,SCI N) UNDISTURBED.

00040 PGM LINES 010 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10280 NEPERS RULE
C

SOLVES ALL CASES IN A RIGHT ANGLE SPHERICAL TRIANGLE INCLUDING WARININGS WHEN NO SOLUTION IS AVAILABLE AND THE TWO SOLUTIONS WHEN THESE ARE POSSIBLE.

00399 PGM LINES 013 DATA REGS
ANDERS HASSLING
S - PARTILLE

10281 GREAT CIRCLE-SAILING
C

KNOWING 2 POINTS THE PROGRAM GIVES: DISTANCE,DEPARTURE COURSE, ARRIVAL COURSE,LATITUDE & LONGITUDE OF VERBEX. KNOWING A MAXIMU LATITUDE IT SOLVES ALL COMPOSITE SAILING PROBLEMS: DEP., PARALLELL & ARR. COURSE THE 3 DISTANCES & THE 2 LONGITUDES ON THE MAX LATITUDE. KNOWING THE DIFFR. IN COURSE BETWEEN 2 CHORDS IT GIVES DISTANCES OF 3 CHORDS OR KNOWING THE DISTN. OF THE CHORD IT GIVES THE COURSE OF NEXT 3 CHORDS. KNOWING A LONGITUDE IT GIVES THE LATITUDE OF THE POINT ON THE GREAT CIRCLE. THE LAST CAN BE REPEATED.

00374 PGM LINES 011 DATA REGS
ANDERS HASSLING
S - PARTILLE

10282 YATZY
C

THE PROGRAM PLAYS THE DICE-GAME YATZY.
YOU WILL NEED ONE MEMORY MODULE, AND 7 PLAYERS CAN JOIN THE GAME. (EACH MEMORY MODULE MORE THAN ONE ADDS CAPACITY FOR 32 MORE PLAYERS. YOU NEED NO NOTEBOOK, HP KEEPS IN MIND WHICH COLUMNS HAVE ALREADY BEEN FILLED, AND IF YOU ASK, YOU'LL BE TOLD WHICH REMAIN FREE.

00426 PGM LINES 018 DATA REGS
KNUT NYGAARD
N - HARSTAD

10283 SUBROUTINE FOR I AND I/R OF STEEL IPE, HEA AND HEB

10283 (CONTD)

THIS PROGRAM COMPUTES I AND I/R OF:
IPE 80 - IPE 600
HEB 100 - HEB 600
HEA 100 - HEA 600

00110 PGM LINES 059 DATA REGS
ROGER MOORTGAT
B - ROESELARE

10284 CUBIC AND QUADRATIC EQUATION
C

GIVEN A CUBIC (THIRD DEGRE) EQUATION, THIS PROGRAM FINDS, WITHOUT USING ITERATIVE METHODS, ONE REAL ROOT. THEN IT AUTOMATICALLY REDUCES THE CUBIC INTO A QUADRATIC ONE AND FINDS THE OTHER TWO ROOTS THE NORMAL WAY. PROGRAM MAY ALSO BE USED TO SOLVE A QUADRATIC EQUATION.

00183 PGM LINES 010 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10285 RACETRACK
C

UP TO 5 RACERS RUN ON SUPERELLIPTICAL TRACK. THE INPUTS FOR A MOVE ARE ACCELERATION AND ANGLE, AND THE OUTPUTS VELOCITY, ANGLE, Y AND X COORDINATES. MANY ALPHA MESSAGES LABEL VARIOUS PARTS OF THE PROGRAM AND MAKE IT A DELIGHT TO PLAY. A PRINTER WOULD GREATLY SIMPLFIY THE PLAYING OF THE GAME,BUT THE PROGRAM WILL RUN EQUALLY WELL WITHOUT ONE. PROGRAM NEEDS ONE MEMORY MODULE AND A CARD READER TO RUN.

00233 PGM LINES 026 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10286 PHOTOMACROGRAPHY - 35 MM -
C

GIVEN THE FOCAL LENGTH AND THE APPERTURE OF YOUR LENS AND THE GUIDE NUMBER OF YOUR FLASH AS STANDARD INFORMATION, THE PROGRAM CALCULATES INTERCHANGEABLE SOLUTIONS OF THE FOLLOWING: MAGNIFICATION RATE, PHOTOGRAPHIC RANGE, DEPTH OF FIELD, FILM-TO-SUBJECT DISTANCE, FLASH-TO-SUBJECT DISTANCE, NEEDED EXTENSION TUBE (OR BELLOWS) LENGHT AND THE EQUIVALENT CLOSE-UP LENS STRENGTH.

00142 PGM LINES 011 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10287 SYNTHETIC DIVISION
C

THIS PROGRAM PERFORMS SYNTHETIC DIVISION ON A POLYNOMIAL OF DEGREE N BY (X-X0).

00080 PGM LINES 005 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10288 SOLUTION OF A TRIGONOMETRIC EQUATION: A*SINX+B*COSX=C
C

THIS PROGRAM SOLVES ALL CASES OF THE EQUATION : A*SIN(X)+B*COS(X)=C

00050 PGM LINES 006 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10289 SUBMARINE TRAPPING (BY DROPPING MINES ON A 10*10 GRID)
C

YOUR OBJECT IS TO SURROUND THE S.M USING THE SMALLES AMOUNT OF MINES. HOWEVER, YOU MUST SURROUND IT, NOT HIT IT. SHOULD YOU DROP A MINE ON THE S.M, YOU LOSE IMMEDIATELY. YOU ARE HELPED BY MINES PLANTED OCCASIONALLY BY ANOTHER NAVAL FORCE (10% CHANCE), BUT THE S.M CAN ALSO FIRE AT YOU (10% CHANCE). WHEN THE SUBMARINE IS TRAPPED, IT COUNTS DOWN & SELF-DESTRUCTS, LEAVING YOU

10289 (CONTD)

THE WINNER. IF YOU DROP ALL YOUR MINES & HAVE NOT YET TRAPPED IT, YOU LOSE.
CAUTION:THE GAME IS GUITE ADDICTIVE

00193 PGM LINES 026 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10290 BALL
C

NO OF DATA REGISTERS:
NUMBER OF RANGE PLUS 20
THIS PROGRAM COMPUTES THE REMAINING VELOCITY OF A BULLET, THE SIGHT CORRECTION AND POINT OF IMPACT VERSUS THE LINE OF SIGHT. IT IS BASED ON THE MCGEHEE BALLISTIC FUNCTIONS. SEE RIFLE MAGAZINE #9, MAY-JUNE 1970. THIS PROGRAM HAS BEEN ADATPED FROM A PROGRAM WRITTEN IN BASIC BY DAVID S DIXON FOR KILOBAUD MAGAZINE (MARCH 1979)

00201 PGM LINES 000 DATA REGS
GEORGES HENRY
F - PARIS

10291 INTERCEPT CASUALTY
C-

WHEN A VESSEL IN DISTRESS (OR MILITARY TARGET) IS IN A KNOWN POSITION WITH A KNOWN COURSE & SPEED, WHILE (HUNTER OR) ASSISTING VESSEL'S POSITION AND SPEED IS KNOWN - THIS PROGRAM ASKING QUESTIONS & COMPUTES
1)LOXODROOM DIRECTION & DISTANCE AT THE MOMENT.
2)COURSE TO STEER TO INTERCEPT.
3)DISTANCE TO GO TO INTERCEPT.
4)NUMBER OF DAYS TO GO TO INTERCEPT
5)ADDITIONAL HOURS, MINUTES AND SECONDS TO GO.
6)POSITION WHERE CASUALTY (TARGET) WILL BE INTERCEPTED.

00521 PGM LINES 032 DATA REGS
JACOB AND DER ENDE
NL - MASSLUIS

10292 TIDAL PREDICTION CURVE
C

THE PROGRAM PRINTS 24 HOUR TIDAL CURVE. (SHALLOW WATER CORRECTIONS INCULDED).
USING HARMONIC CONSTANTS, TIDAL ANGLES AND FACTORS FROM BRITISH ADMIRALTY TIDE TABLES. PRODUCING HIGHT ABOVE BA-CHART LEVEL; IF Y MIN ZERO HAS BEEN TAKEN.

00278 PGM LINES 054 DATA REGS
JACOB VAN DER ENDE
NL - MAASSLUIS

10293 RACETRACK HP-41C
C

THIS PROGRAM IS A SIMULATOR OF A RACETRACK OF THE REAL LIFE. EACH CAR HAS 5 MARCH AND WINS THE CAR THAT CROSSES BEFORE THE LIMIT. (IF A CAR GOES OUT OF THE TRACE IT WILL BE UNQUALIFIED). THE STATE OF THE TRACK WILL BE ELECTED, ABOUT: ICE, RAIN, CLAY, NORMAL, GOOD AND VERY GOOD.

00319 PGM LINES 037 DATA REGS
JORGE HERNANDEZ LATORRE
E - ZARAGOZA

10294 TWO DIMENSIONAL WAVE-EQUATION
C

THIS PROGRAM CALCULATES VALUES OF Y(X,T) WHICH SOLVES THE WAVE-EQUATION. (Y''XX*C**2=Y''TT) INITIAL CONDITIONS Y(X,0)=F(X) AND Y'T(X,0)=H(X) AND THE BOUNDARY CONDITIONS Y(0,T)=(Y(P,T))=0.

00146 PGM LINES 047 DATA REGS
TOPI LINKALA
SF - HELSINKI

10295 E 48 RESISTOR SERIE
C

THIS PROGRAM CALCULATES THE NEAREST

10295 (CONTD)

HIGH AND LOW E 48 RESISTOR FOR GIVEN RESISTANCE. ALSO CALCULATES TWO RESISTORS SERIAL OR PARALLEL FOR GIVEN RESISTANCE. LIMITS ARE 1 OHM AND 1 GOHM. LISTS ALL E 48 SERIE IF NECESSARY. USES PRINTER IF PLUGGED IN. OPTIONAL ACCESSORIES: MEMORY MODULE AND CARD READER.

00214 PGM LINES 074 DATA REGS
TOPI LINKALA
SF - HELSINKI

10296 LINEAR SYSTEM OF N UNKNOWN (N UP TO 15)
C

THIS PROGRAM SOLVES SYSTEM OF N EQUATIONS WITH N UNKNOWNS (N UP TO 15). GAUSSIAN ELIMINATION IS USED. TO LOAD THE PROGRAM ONE MEMORY MODULE IS NEEDED. ADDITIONAL MEMORY MODULES NEEDED FOR HIGHER ORDER SYSTEM.

00270 PGM LINES 074 DATA REGS
TOPI LINKALA
SF - HELSINKI

10297 DETERMINANT OF SQUARE MATRIX (UP TO 16*16)
C

THIS PROGRAM CALCULATES THE DETERMINANT OF SQUARE MATRIX (UP TO 16*16). ADDITIONAL MEMORY MODULES NEEDED FOR HIGHER ODER SYSTEM.

00213 PGM LINES 060 DATA REGS
TOPI LINKALA
SF - HELSINKI

10298 DETERMINANT AND INVERSE OF SQUARE MATRIX (UP TO 11*11)
C

THIS PROGRAM CALCULATES DETERMINANT AND INVERSE OF SQUARE MATRIX (UP TO 11*11) BY GAUSSIAN ELIMINANTION. ONE MEMORY MODULE IS NEEDED TO LOAD THE PROGRAM. ADDITIONAL MEMORY MODULES FOR HIGHER ODER SYSTEM.

00269 PGM LINES 073 DATA REGS
TOPI LINKALA
SF - HELSINKI

10299 COMPLEX RPN FOR COMPLEX NUMBER TREATMENT
C

THIS 394 STEPS PROGRAM CONTAINS 35 COMPLEX FUNCTIONS INCLUDING A 4-LEVEL OPERATIONAL STACK WITH ALL USUAL STACK-MANIPULATIONS,UP TO 100 COMPLEX STORAGE REGISTERS, ALL FOUR BASIC ARITHMETIC OPERATIONS,SEVERAL MATHEMATICAL AND ALL EXPONENTIAL, TRIGONOMETRIC AND HYPERBOLIC FUNCTIONS WITH THEIR INVERSES. WITH ALL FUNCTIONS ASSIGNED TO THE APPROPRIATE KEYS IN USER-MODE YOUR HP-41C (OMPLEX) LETS YOU HANDLE COMPLEX NUMBERS WITH ALL THE COMFORT OF THE RPN-LOGIC AS EASY AS REAL NUMBERS.

00394 PGM LINES 109 DATA REGS
PETER LAEDRACH
CH - WORB

10300 WINDSPEEDS FROM WEATHERCHARTS
C

GIVEN WEATHERCHART WITH NO WIND-FEATHERS, HOWEVAER ISOBARS READABLE AND ONE SIMPLE MILLIMETER-MARKED RULER AVAILABLE. GRADIENT AND WINDSPEEDS WILL BE CALCULATED IN MTR/SEC, KNOTS AND BEAUFORT.

00129 PGM LINES 010 DATA REGS
JACOB VAN DER ENDE
NL - MAASSLUIS

10301 ARIAL COMBAT
C

A FOUR PLAYER'S GAME: EACH PLAYER IS IN A PLANE AND MUST DESTROY THE OTHER THREE. POSITION, VELOCITY AND FUEL LEFT CALCULATED AND DISPLAYED. SPEED AND ANGLE VARIATION ARE

10301 (CONTD)

CHOSEN WITHIN CALCULATED LIMITS.
BE CAREFUL:SAVE YOUR GAS AND DO NOT
DECRESE YOUR SPEED TOO MUCH IF YOU
DO NOT WANT TO SCRATCH.

00270 PGM LINES 031 DATA REGS
JORGE HERNANDEZ LATORRE
E - ZARAGOZA

10302 INTERCEPT CASUALTY
(WITH CALENDAR AND ETA)
C
GIVEN: DATE, TIME GMT, POSITION,
COURSE AND SPEED OF A CASUALTY
(OR MILITARY-TARGET)
VESSEL TO BE INTERCEPTED.
THE PROGRAM COMPUTES COURSE TO
STEER, DISTANCE TO GO, NUMBER OF
DAYS TO GO, H.MS TO GO, INTERCEPT
POSITION, ARRIVAL DAY, DATE AND
TIME GMT.

00802 PGM LINES 033 DATA REGS
JACOB VAN DER ENDE
NL - MAASSLUIS

10303 SONAR
C
THIS IS A PROGRAM ADAPTED FROM ONE
WRITTEN IN BASIC BY DANA NOFTLE IN
1967 AND PUBLISHED BY CREATIVE
COMPUTING. IT APPEARS IN BASIC
COMPUTER GAMES UNDER THE NAME DEPTH
CHARGE. THE GAME IS THE SEARCH AND
DESTRUCTION OF A SUBMARINE HIDDEN
IN A 3-D GRID.

00148 PGM LINES 010 DATA REGS
GEORGES HENRY
F - PARIS

10304 CALCULATION OF HANGING WIRES
C
PROGRAM CALCULATES THE CATENARY
CURVE FOR AN ANCHORWIRE INCLUDING
SUSPENDED LENGHT & TOUCH DOWN POINT
WHEN WEIGHT OF CABLE PR METER,WATER
DEPTH & TENSION ARE KNOWN. CALCULA-
TION OF SINGLE VALUES (HEIGHT ABOVE
SEABED/DEPTH BELOW WATERSURFACE AT
A CERTAIN DISTANCE FROM THE RIG)CAN
BE DONE. THE PROGRAM ALSO INCLUDES
A LOOP FOR CALCULATION OF SERIES OF
HEIGHTS FOR A DESIRED INCREMENT
(MANUAL PLOTTING) PRESENTING THE
RESULTS WITH PAUSES BETWEEN.

00129 PGM LINES 008 DATA REGS
CHRISTER MEYER
S - GOTHENBURG

10305 CALCULATION OF HANGING WIRES
C
THE PROGRAM CLACULATES THE CATENARY
CURVE FOR AN ANCHORWIRE INCLUDING
SUSPENDED LENGTH & TOUCH DOWN POINT
WHEN WEIGHT OF CABLE PR METER,WATER
DEPTH & TENSION ARE KNOWN.
CALCULATED VALUES FOR MANUAL PLOT-
TING AS WELL AS PRINTERPLOTTING ARE
AVAILABLE. CALCULATION OF SINGLE
VALUES CAN ALSO EASILY BE DONE. THE
PROGRAM WORKS ALSO WITHOUT PRINTER
CONNECTED, PRESENTING ALL VALUES
WITH PAUSE INBETWEEN.

00209 PGM LINES 017 DATA REGS
CHRISTER MEYER
S - GOTHENBURG

10306 CONVERSIONS DEC-HEX & HEX-DEC FOR
FRACTIONAL NUMBERS
C
THIS PROGRAM CONVERTS DEC-HEX &
HEX-DEC FOR FRACTIONAL NUMBERS.

00259 PGM LINES 064 DATA REGS
MAIZIER
F - PARIS

10307 LINEAR PROGRAMMING
(SIMPLEX METHOD) I
C
LINEAR PROGRAMMING USING THE
SIMPLEX METHOD. THE EXECUTION
HAPPENS IN 1 PHASE. THIS PROGRAM
IS ONLY RESTRICTED BY THE MEMORY

10307 (CONTD)

CAPACITY AVAILABLE, IT NEEDS
87+M**2+3M+3N+3N+M.N REGISTERS;
WITH M=RESTRICTIONS AND N=UNKNOWNS.
THE PROGRAM SOLVES MINIMISATIONS
AS WELL AS MAXIMISATIONS.

00328 PGM LINES 074 DATA REGS
LIENART XAVIER
B - LEUVEN

10308 LINEAR PROGRAMMING
(SIMPLEX METHOD) II
C
LINEAR PROGRAMMING USING THE
SIMPLEX METHOD. THE EXECUTION
HAPPENS IN 2 PHASES USING A MERGE-
INSTRUCTION. THIS PROGRAM IS ONLY
RESTRICTED BY THE MEMORY CAPACITY
AVAILABLE, IT NEEDS
55+M**2+M.N+3M+3N REGISTERS; WITH
M=RESTRICTIONS AND N=UNKNOWNS.
THE PRORAM SOLVES MINIMISATIONS AS
WELL AS MAXIMISATIONS.

00334 PGM LINES 042 DATA REGS
XAVIER LIENART
B - LEUVEN

10309 BATTLESHIP
C
TRY TO SINK AN ENEMY BATTLESHIP BY
FIRING YOUR TORPEDOES. THE BATTLE-
SHIP WILL TAKE EVASIVE ACTION IF
YOU MAKE A MINOR HIT.

00122 PGM LINES 041 DATA REGS
KIM GRAU
DK - ODENSE

10310 MOON AND PLANETS LINE OF POSITION
WITH ALMANAC FOR COMPUTORS
C
THE PROGRAM REQUESTS FOR ITEMS DATE
ESTIMATED-POSITION, DATACARD AND
GMT.OUTPUT:DAY OF THE YEAR,CONTROLE
ITEMS A,B,SUM 1 SUM 2 SUM 3 SUM 4
(GHA, DECLINATION, HP AND SD); COM-
PUTED HEIGHT HC & AZIMUTH ZN. IT
THEN ASKING FOR EYEHEIGHT IN FEET &
OBSERVED HEIGHT (WITH MARINE SEX-
TANT) & QUESTION MOON LOWER LIMB,
UPPERLIMB OR PLANET. NEXT OUTPUT
WILL BE A=ALTITUDE INTERCEPT. THE
PROGRAM LOOPS BACK TO QUESTION GMT?
FOR NEXT OBSERVATION, WHEREAFTER
CONTROLE SUMS THEN NO MORE PRINTED
AS NOT NECESSARY.

00531 PGM LINES 043 DATA REGS
JACOB VAN DER ENDE
NL - MAASSLUIS

10311 PAM TIME-DIVISION MULTIPLEXING
C
THIS PROGRAM CALCULATES NO. OF
CHANNELS AND COMMUTATION RATE FOR
A DISCRETE NO. OF PARAMETERS BEING
TRANSMITTED BY TELEMETRY. FURTHER
THE PROGRAM INCLUDES SUPERCOMMUTA-
TION. IN ADDITION YOU CAN FIND
"MEAN FRAME RATE" AND
"ALIASING ERROR".

00117 PGM LINES 049 DATA REGS
MANFRED MICKOTEIT
D - KOBLENZ

PROGRAM ABSTRACTS

10312 STARS
C

IN THIS GAME, THE CUMPUTER SELECTS A RANDOM NUMBER BETWEEN 1 AND 100 (OR ANY VALUE YOU SET WHEN THE CALCULATOR ASKS IT). YOU TRY TO GUESS THE NUMBER AND THE HP GIVES YOU CLUES TO TELL YOU HOW CLOSE YOU ARE GETTING. ON STAR (*) MEANS YOU ARE FAR AWAY FROM THE NUMBER; SEVEN (*******) MEANS YOU ARE REALLY CLOSE - YOU GET 7 GUESSES.

00164 PGM LINES 003 DATA REGS
PATRICK IMBAULT
F - MELUN

10313 RUSSIAN ROULETTE
C

IN THIS GAME, YOU ARE GIVEN BY THE COMPUTER A REVOLVER LOADED WITH ONE BULLET AND FIVE EMPTY CHAMBERS. YOU SPIN THE CHAMBER AND PULL THE TRIGGER BY INPUTTING A "1" (OR ANY OTHER NUMBER). YOU WIN IF YOU PLAY TEN TIMES AND ARE STILL ALIVE.

00098 PGM LINES 002 DATA REGS
PATRICK IMBAULT
F - MELUN

10314 PRIME FACTORISATION
C

THE PROGRAM COMPUTES AND STORES ALL THE FACTORS OF A NATURAL NUMBER LESS THAN 10**10. IT TAKES ABOUT 42 SECONDS TO SHOW THAT 1000003 IS PRIME AND 9999999999 IS FACTORED IN 17 SECONDS.

00157 PGM LINES 014 DATA REGS
GUIDO PETZ
S - HAEGERSTEN

10315 FLAG
C

TWO DIFFERENT KINDS OF FLAGTESTS IN ONE PROGRAM.

00071 PGM LINES 024 DATA REGS
ELK-DETLEF GOLZ
D - LUEDENSCHEID

10321 STARPOSITION-LINES
C

THIS IS A REWRITTEN HP-67/97 NAU08 AI/0087 IN A MORE PRACTICAL WAY. ESTIMATED POSITION ETC ARE REQUESTED ONLY ONCE.
48 STARS ARE AVAILABLE INCLUDING POLARIS.

00469 PGM LINES 025 DATA REGS
JACOB VAN DER ENDE
NL - MAASSLUIS

10322 INVERSE MASTERMIND WITH HP-41C
C

HP-41C FINDS YOUR SECRET CODE WITH UP TO 9 POSITIONS AND UP TO 9 COLOURS. AFTER EACH GUESS YOU TELL THE MACHINE HOW MANY NUMBERS ARE RIGHT IN POSITION AND COLOUR (BLACK KEY-PEG) AND HOW MANY ARE RIGHT IN COLOUR ONLY.*
WORKING UP THIS INFORMATION HP DECODES YOUR COMBINATION IN ABOUT 8 GUESSES (WITH 5 POSITIONS AND 9 COLOURS). THE PROGRAM RUNS FAST.
*(WHITE KEY-PEG)

00245 PGM LINES 110 DATA REGS
ULRICH DAVERTZHOFEN
D - WUPPERTAL

10323 INSERTION SORT
C

THIS PROGRAM CAN BE LISTED TO: A)ARRANGE A SERIES OF POSITIVE NUMBERS IN DECENDING ORDER WHEN THEY ARE ENTERED. B)GROUP NUMBERS OF THE SAME MAGNITUDE TOGEHTER AND COUNT THEIR FREQUENCIES. MAX. NUMBER OF DIFFERENT FIGURES HANDLED IS 45 ON THE BASIC UNIT. NUMBER OF SIGNIFICANT FIGURES CAN BE SELECTED BETWEEN 2 AND 8.

00079 PGM LINES 000 DATA REGS

10323 (CONTD)

LEE NAI-CHI
SGP - SINGAPORE

10324 DICES
C

THIS PROGRAM USES THE CALCULATOR'S DISPLAY CHARACTERS TO SIMULATE THE THROWING OF TWO DICES, WITH THE SUM SHOWN. THE PLAYER CAN ALSO BET ON EVEN/ODD, OR THE GAME OF CRAP

00096 PGM LINES 003 DATA REGS
LEE NAI-CHI
SGP - SINGAPORE

10325 PINBALL MACHINE
C

THIS PROGRAM SIMULTES A PINBALL MACHINE WITH THE FOLLOWING FEATURES -SLINGHOT, ROLL OVER, BUMPER, SPINNER, KICK-OUT, TARGET, SPECIAL ON/OFF, OUT HOLE BONUS. THE PLAYER USES LEFT AND RIGHT FLIPPERS TO CONTROL THE BALL. FREE BALL OR FREE GAME MAY BE AWARDED DEPENDING ON HIS PERFORMANCE.

00150 PGM LINES 005 DATA REGS
LEE NAI-CHI
SGP - SINGAPORE

10326 ECOSYSTEM DIVERSITY INDEX
C

THE PROGRAM ALLOWS YOU TO OBTAIN THE VALUE OF THE DIVERSITY INDEX OF AN ECOSYSTEM ACCORDING TO THE FORMULA OF BRILLOUIN, THAT IS IN "ECOLOGIA" OF R. MARGALEF. - EDIT. OMEGA. / BARCELONA 1974 PAGE 367

00060 PGM LINES 016 DATA REGS
R FARRANDO-BOIX
E - BARCELONA

10327 AX+BY=C (INFINITE) SOLUTIONS
C

PROGRAM IS USED FOR FINDING THE (INFINITE) SOLUTIONS OF THE AX+BY=C EQUATION WHERE A,B,C ARE GIVEN NUMBERS & X,Y ARE UNKNOWN.THEN YOU CAN CHOOSE WHETHER YOU WANT ONLY THE POSITIVE ONES,ONLY THE NEGATIVES OR ALL OF THEM.FOR HISTORICAL PURPOSES THE FIRST WHO TRIED TO SOLVE IT WAS THE GREEK MATHEMATICIAN "DIFONDOS" IN HIS BOOK OF "ARITHMITICA" 360 BC -FOR THAT REASON WE CALL THIS EQUATION (& ITS SOLUTION) AFTER HIS NAME "DIOFONDOS EQUATION".
THEORY COMES FROM OUR JUNIOR ELECTION BOOK IN MATHEMATICS

00126 PGM LINES 007 DATA REGS
GEORGE GIONIS
GR - ATHENS

10328 HUNGRY ZOMBIES
C

YOUR AIRPLANE HAS BURNED OFF & YOU HAVE LANDED ON AN ISLAND WHERE 6 HUNGRY ZOMBIES ARE WAITING TO FILL THEIR EMPTY STOMACHS. THIS ODD ISLAND IS PROVIDED WITH:2 DEEP-DEEP HOLES & OF COURSE WITH THE ZOMBIES WHO CAN'T SEE BUT ARE DRIVEN TOWARDS THE BEATS OF YOUR HEART. THE PURPOSE OF THE GAME IS TO DECEIVE THE CREATURES & DRIVE THEM TO FALL INTO THE HOLES. EVERY TIME YOU MOVE A BOX ALL 6 ZOMBIES ARE APPROACHING 1 BOX. NOTE:2 HAVE JUST FOUND OUT THAT THESE ZOMBIES ARE VERY HUNGRY & THE HOLES VERY DEEP,SO WATCH OUT!

00310 PGM LINES 023 DATA REGS
GEORGE GIONIS
GR - ATHENS

10329 HORSE RACES
C

PROGRAM SIMULATES A HORSE RACE BETWEEN 4 HORSES MARKED A,B,C,D. YOU & THE CALCULATOR BET ON A HORSE FOR A CERTAIN AMOUNT OF MONEY. EVERY TIME A NEW RANDOM NUMBER IS ADDED TO THE PREVIOUS AMOUNT MAKING THE

10329 (CONTD)

HORSES RUN. THE WINNER IS THE HORSE THAT REACHES THE 50 "LINE" POINT FIRST.IF YOU HAD A BET ON THAT ONE YOU ARE THE WINNER & THE MONEY YOU HAD BET IS DOUBLED. OTHERWISE,IT IS SUBSTRUCTED FROM YOUR TOTAL.PURPOSE OF THE GAME IS TO BANKRUPT THE OPPONENT. THE RACES OFFER A GREAT EXCITEMENT WITHOUT LOOSING A PENNY!

00173 PGM LINES 013 DATA REGS
GEORGE GIONIS
GR - ATHENS

10330 CHEMICAL EQUATIONS - EQUATIONS CHIMIQUES
C

*RESOLVES CHEMICAL EQUATIONS WITH MANY POSSIBILITIES (GIVEN A MASS, A VOLUME, A MOLE NUMBER,OR A DIFFERENCE OF MASS, VOLUME, ETC... CALCULATES A MASS,A VOLUME,ETC,OR A DIFFERENCE OF MASS,VOLUME,ETC,BETWEEN 2 ELEMENTS WRITTEN IN THE EQUATIONS); 36 DIFFERENT POSSIBILITIES.
*RESOUD DES EQUATIONS CHIMIQUES AVEC DE NOMBREUSES POSSIBILITES: CONNAISSANT UNE MASSE,UN VOLUME OU UN NOMBRE DE MOLES, OU ENCORE UNE DIFFERENCE DE MASSE,VOLUME,ETC.. CALCULE UNE MASSE, UN VOLUME,ETC,OU UNE DIFFERENCE DE MASSE,VOLUME,ETC.

00164 PGM LINES 012 DATA REGS
THIERRY HUMBERT
F - PUYRICARD

10331 D'HONT'S LAW
C

THIS PROGRAM COMPUTES THE NUMBER OF PARLIAMENT SEATS GIVEN FOR EACH PARTY, KNOWING THE TOTAL NUMBER OF PARLIAMENT SEATS,TOTAL NUMBER OF PARTIES AND THE VOTES SCRUTINIZED BY EACH PARTY.
MAX. NUMBER OF PARTIES IS 14. (WITHOUT ANY MEMORY MODULE)

00109 PGM LINES 034 DATA REGS
TOPI LINKALA
SF - HELSINIKI

10332 HYPERBOLICS AND INVERSE HYPERBOLIC FUNCTIONS
C

THIS PROGRAM COMPUTES SINH, COSH, TANH AND THEIR INVERSES. THESE FUNCTIONS OPERATE JUST LIKE ANY HP ONE NUMBER FUNCTION,ONLY X-REGISTER IS CHANGED AND X IS IN LATX REGISTER.

00089 PGM LINES 027 DATA REGS
TOPI LINKALA
SF - HELSINKI

10333 MASTERMIND
C

A HIDDEN CODE OF 4 LETTERS, OUT OF 6 DIFFERENT LETTERS, HAS TO BE GUESSED. IT'S POSSIBLE TO PLAY THE GAME EITHER ALONE OR WITH ANOTHER PLAYER: THE COMPUTER STORES A CODE AND THE PLAYER GUESSES, OR ONE PLAYER STORES A LETTERCODE AND THE OTHER PLAYER GUESSES. THE COMPUTER DISPLAYS WHETHER THE GUESSED LETTERS ARE THE SAME AS THE LETTERS IN THE HIDDEN CODE AND IF THEY ARE AT THE RIGHT PLACE.

00280 PGM LINES 123 DATA REGS
HENK SCHELLEN
NL - ROERMOND

10334 PARABOLIC EQUATIONS
C

FOR A GIVEN PARABOLIC EQUATION IN THE FORM OF AX**2+BX+C, THIS PROGRAM ASKS FOR THE CONSTANTS A,B AND C WHERE A=UNEQUAL 0 AND CALCULATES:
-THE ROOTS X1 AND X2
-THE SYMMETRICAL AXIS (IN TERMS OF X)
-THE MAX. OR MIN. OF THE FUNCTION (IN TERMS OF Y)
-VALUES OF Y FOR A GIVEN X
-A PLOT OF FUNCTION (IF PRINTER IS

10334 (CONTD)

ATTACHED)

00098 PGM LINES 015 DATA REGS
VINCENT VEEGER
NL - NIJMEGEN

10335 RATIONNELS
C

GIVEN A RATIONAL NUMBER, THIS PROGRAM CALCULATES TWO NUMBERS THE QUOTIENT OF WHICH IS EQUAL TO THIS NUMBER.
NB: THIS NUMBER PERIOD MUST BE INFERIOR OR EQUAL TO 10.

00036 PGM LINES 005 DATA REGS
THIERRY HUMBERT
F - PUYRICARD

10336 MAST
C

GIVEN A MASS HUNG ON A MAST THAT HAS A GIVEN ANGLE WITH THE FLOOR AND IS SUSTAINED BY A CABLE WITH A GIVEN ANGLE WITH THE FLOOR, THIS PROGRAM CALCULATES THE CABLE LENGHT THE CABLE TENSION AND THE FLOOR REACTION WHEN THE MAST IS PLACED IN EQUILIBRIUM.

00115 PGM LINES 014 DATA REGS
THIERRY HUMBERT
F - PUYRICARD

10337 ZEROES OF POLYNOMIALS
C

THE PROGRAM WILL FIND ALL ZEROES OF A POLYNOMIAL OF DEGREE N (MAX. N DEPENDS ON NUMBER OF AVAILABLE MEMORY MODULES).
THE QD-ALGORITHM IS USED TO FIND STARTING VALUES FOR THE NEWTON-RAPHSON ITERATION OR FOR THE METHOD OF BAIRSTOW. THE NEWTON ITERATION AND BAIRSTOWS METHOD CAN ALSO BE USED AS INDEPENDENT PROGRAMS.

00309 PGM LINES 000 DATA REGS
MARTIN KAWALETZ
D - SALZGITTER

10338 ROM 3
C

ROMMEE SCORE. NOTES THE POINTS OF 3 PLAYERS. SHOWS THE RESULTS AFTER LAST GAME.

00080 PGM LINES 024 DATA REGS
ELK-DETLEF GOLZ
D - LUEDENSCHEID

10339 MASTER MIND - (DATA BUREAU)
C

THIS PROGRAM CAN CO-RELATE ANY ITEM OF SEVEN CHARACTERS TO ANOTHER QUANTITY 10 DIGITS LONG. THE FIRST ITEM CAN BE A NAME, A MATERIAL OR PRODUCT ETC, AND THE SECOND A TELEPHONE NUMBER, A STOCK NUMBER, A CODE NUMBER, COST PRICES, PHYSICAL PROPERTIES (LIKE DENSITIES, VISCOSITIES ETC)

00054 PGM LINES 032 DATA REGS
MOHAMED LUTFI JAMALOFEN
SA - JEDDAH

10340 AUCTION
C

YOU ARE BUYING AND SELLING PAINTINGS IN ORDER TO MAKE A MAXIMUM PROFIT. THIS PROGRAM IS ADAPTED FROM A PROGRAM WRITTEN BY C W ENGEL IN BASIC LANGUAGE. FOR MORE DETAILS PLEASE REFER TO STIMULATING SIMULATIONS PUBLISHED BY HAYDEN BOOK COMPANY, INC.

00233 PGM LINES 028 DATA REGS
GEORGES HENRY
F - PARIS

10341 THERMODYNAMIC PROPERTIES OF SUPERHEATED AND SATURATED STEAM
C

P=PRESSURE OF STEAM (PSIA)

10341 (CONTD)

T=TEMPERATURE IN DEG F
H=ENTHALPY (BTU/LB)
S=ENTROPY (BTU/LB/DEG F)
V=SPECIFIC VOLUME (FT**3/LB)
Q=STEAM QUALITY (%)
P AND T OR P AND H OR P AND S BEEING KNOWN, PROGRAM FIRST CALCULATES IF THE POINT IS IN THE DRY OR THE SATURATED REGION AND OUTPUTS THE SUPERHEAT OR THE QUALITY OF STEAM. THEN UPON PRESSING THE CORRESPONDING USER'S KEYS ANY OF THE UNKNOWN PROPERTIES ARE CALCULATED.

00484 PGM LINES 184 DATA REGS
MICHEL LE MERO
F - EAUBONNE

10342 ANTICOLLISION RADARPLOT
C

I WROTE THIS PROGRAM BECAJSE I DO NOT KNOW A BETTER ONE AVAILABLE SO FAR TO USE.
SEE YOURSELF

00658 PGM LINES 041 DATA REGS
J VAN DER ENDE
NL - MAASSLUIS

10343 HIT THE MARK
C

IN THIS REACTION GAME YOU HAVE TO PRESS THE RIGHT BUTTON AS QUICK AS POSSIBLE FOR SHOOTING DOWN THE TARGET. YOU ONLY HAVE GOT ABOUT ONE SECOND TO SHOOT, THEN THE TARGET WILL DISAPPEAR AND A NEW ONE TURNS UP.

00153 PGM LINES 064 DATA REGS
ANDERS KVANTA
S - AENGELHOLM

10344 GREAT MASTER MIND
C

THIS GAME IS A MASTER MIND WITH GEOMETRIC SHAPES AND COLOURS. YOU HAVE TO CHOOSE FOUR SHAPES (OR COLOURS) BETWEEN FIVE SHAPES (OR COLOURS) AND FORM WITH THOSE FOUR PAIRS.

00270 PGM LINES 017 DATA REGS
THIERRY LEMMENS
B - BRAINE-L'ALLEUD

10345 AREAS AND CENTROIDS
C

THIS PROGRAM GIVES THE AREA OR THE AREA AND THE CENTROID OF A STRAIGHT SIDED SHAPE. THE INPUT MAY BE COORDINATES, OR ANGLES AND DISTANCES FROM A POINT.IN THE LATTER CASE THE POINT MAY BE ON A SIDE OR INSIDE OR OUTSIDE THE AREA.IF COORDINATES ARE INPUT THE CENTROID WILL BE DEFINED BY COORDINATES. IF ANGLES AND DISTANCES ARE INPUT THEN THE CENTROID WILL BE DEFINED BY AN ANGLE AND DISTANCE. CORRECTLY ORIENTATED WITH RESPECT TO TE OBSERVATIONS FOR THE CORNERS. NON PRINTER VERSION WILL BE SUPPLIED ON REQUEST.

00193 PGM LINES 059 DATA REGS
MARK CRACKNELL
WAN - LAGOS

10346 OPERATION EAGLE 1
C

A SPACE BATTLE AGAINST A SIMULATED ENEMY.

01136 PGM LINES 032 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10347 FOLLOW ME
C

THE PROGRAMMABLE PROGRAM.

00127 PGM LINES 029 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10348 ALPHABETICAL ORDER

10348 (CONTD)

THIS PROGRAM SORTS OUT A LIST OF WORDS IN ALPHABETICAL ORDER. THE NUMBER OF WORDS CAN ACHIEVE 127 WITH THE MAXIMUM CONFIGURATION.

00194 PGM LINES 006 DATA REGS
NICOLAS FREDERIC
F - DOLE

10349 PRIME NUMBERS UP TO 10193
C

PROGRAM CALCULATES AND PRINTS ALL PRIMES UP TO 10193

00071 PGM LINES 015 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10350 LAENGEN
C

WITH THIS PROGRAM YOU CAN CONVERT A GIVEN MEASURE INTO ANOTHER UNIT. YOU CAN SELECT BETWEEN 10 DIFFERENT UNITS. (ONLY FOR LENGHTS)

00107 PGM LINES 000 DATA REGS
ROLF SCHOENENBERG
D - HANNOVER

10351 MUG
C

THIS PROGRAM IS ADAPTED FROM A BASIC PROGRAM WRITTEN BY BOB ALBRETCH OF PEOPLE'S COMPUTER COMPANY. THE PURPOSE OF THE GAME IS TO FIND FOUR MUGWUMPS HIDDEN IN A 10 BY 10 GRID IN LESS THAN TEN TRIES.AFTER EACH GUESS HP-41C TELLS YOU HOW CLOSE YOU ARE TO EACH MUGWUMP. USING GRAPH PAPER AND COMPASS YOU SHOULD BE ABLE TO LOCATE THE FOUR MUGWUMPS IN SEVEN GUESSES AT MOST. FOR MORE DETAIL REFER TO BASIC COMPUTER GAMES EDITED BY DAVID H. AHL.

00169 PGM LINES 017 DATA REGS
GEORGE HENRY
F - PARIS

10352 HANKEL FUNCTIONS FOR COMPLEX ARGUMENT
C

THIS PROGRAM EVALUATES THE HANKEL FUNCTION F THE SECOND KIND AND THE MODIFIED HANKEL FUNCTION FOR ORDERS N=0 AND N=1 AND COMPLEX ARGUMENT Z, USING A RATIONAL APPROXIMATION.

00163 PGM LINES 032 DATA REGS
MICHAEL MUSCHICK
A - GRAZ

10353 BODE-DIAGRAMM (UP TO AN ORDER OF 156; N+M<=156)
C

THIS PROGRAM CALCULATES AND PLOTS THE BODE-DIAGRAM OF A TRANSFER FUNCTION G(JW).
WITH THE CALCULATED VALUES THE FREQUENCY CHARACTERISTIC IN THE G-PLANE CAN GEOMETRICALLY BE CONSTRUCTED.
THE ORDER N+M IS : 1 MEMORY:0<=28
2 MEMORIES:0<=92, 3 MEMORIES:0<=156

00313 PGM LINES 020 DATA REGS
GERHARD KOCKERBECK
D - DORTMUND

10354 CUBE
C

THIS GAME IS PLAYED ON THE FACING SIDES OF A CUBE WITH A SIDE DIMENSION OF 2. THE PURPOSE OF THE GAME IS TO GO FROM (1,1,1) TO (3,3,3) BY MOVING ONE SQUARE AT A TIME HORIZONTALLY OR VERTICALLY. THERE ARE 5 MINES RANDOMLY PLACED BY HP-41C AT EACH TURN. YOU BEGIN WITH 500$. AT EACH TURN YOU PLACE A BET. YOU LOSE IF YOU HIT A MINE DURING TRAVEL OR TRY TO MAKE AN ILLEGAL MOVE. CUBE WAS CREATED BY JEREMY RATLIFF OF FORT WURTH, TEXAS. IT APPEARS IN BASIC COMPUTER GAMES EDITED BY

10354 (CONTD)

DAVID H. AHL.

00316 PGM LINES 026 DATA REGS
GEORGES HENRY
F - PARIS

10355 **CUBIC EQUATION**
C

THIS PROGRAM CALCULATES THE THREE ROOTS (REAL OR COMPLEX) OF ANY CUBIC EQUATION USING A CHANGE OF VARIABLE & VARIOUS TRIGONOMETRICAL METHODS.

00187 PGM LINES 006 DATA REGS
PAOLO NAGGAR
I - RIGNANO FLAM

10356 **PROBABILITY OF RUNS**
C

CONSIDER AN ORDERED SEQUENCE OF TWO DIFFERENT KINDS OF OBJECTS.
(TYPE 0, TYPE 1)
THE PROGRAM COMPUTES THE PROBABILITY THAT A SEQUENCE CONSISTING OF N0 TYPE 0 ELEMENTS AND N1 TYPE 1 ELEMENTS CONTAINS EXACTLY K RUNS.
A RUN IS PER DEFINITION A MAXIMAL SUBSEQUENCE, I.E. A CONTINIOUS SUBSEQUENCE OF IDENTICAL SYMBOLS PRECEDED AND FOLLOWED BY A DIFFERENT SYMBOL OR NO SYMBOL.

00115 PGM LINES 009 DATA REGS
WERNER KRIECHBAUM
D - TUEBINGEN

10357 **VSD VIEW/STORE-DATA**
(AS DIRECTED BY X)
C

THIS PROGRAM IS VERY POWERFUL IF YOU HAVE TO STORE A LOT OF DATA QUICKLY. THE DISPLAY SHOWS THE NUMBER OF REGISTER, AND PROMPTS YOU QUICKLY TO STORE. IF YOU WANT TO VIEW ALL, OR SOME OF YOUR REGISTER THE DISPLAY SHOWS THE NUMBER, AND THE DATA. BOTH FUNCTIONS WORK LIKE WDTAX-RDTAX.THE PROGRAM IS SPECIALLY USEFUL IF YOU DO NOT USE PRINTER - PROGRAM ONLY USES THE STAK.

00053 PGM LINES 016 DATA REGS
JAN LAUENBORG
DK - NYBORG

10358 **GENERATING OF A TABULATION FOR FOOTBALL LEAGUES**
C

AFTER INPUT OF A NUMBER OF FOOTBALL GAMES, THE PROGRAM CALCULATES STARTING FROM AN INITIAL TABULATION THE RESULTING TABULATION, WHICH CAN BE STORED ON DATA-CARD FOR LATER USE.

00277 PGM LINES 000 DATA REGS
CLAUDE ROELTGEN
LUX - MONDERCANGE

10359 **RIEMANN SERIES**
C

THIS PROGRAM MAY BE USED TO FIND THE SUM OF A RIEMANN SERIES.

00113 PGM LINES 032 DATA REGS
GRAND EDMOND
F - VENDARGUES

10360 **PREDATOR AND PREY RELATION**
C

THE PROGRAM SIMULATES AN ECOSYSTEM IN PREDATOR AND PREY RELATION FOR THE VOLTERRA-LOTKA THEORY.

00180 PGM LINES 045 DATA REGS
R FARRANDO-BOIX
E - BARCELONA

10361 **SHOOTING CLAY PIGEONS**
C

YOU SEE A CLAY PIGEON FLY ON THE DISPLAY AND YOU HAVE TO STOP WHEN THE CLAY PIGEON IS IN THE MOST RIGHT POSITION; IN THIS WAY YOU GET THE MOST POINTS.
AFTER 10 TIMES, THE CALCULATOR

10361 (CONTD)

SHOWS YOUR SCORE. THE PROGRAM IS VERY SHORT AND VERY FAST, SO YOU BETTER WATCH OUT.

00062 PGM LINES 023 DATA REGS
TON VROUWE
NL - EGMOND A/D HOEF

10362 **JACKPOT**
C

THIS GAME CALCULATES RANDOMLY 4 SYMBOLS. (THERE ARE 6 POSSIBILITIES FOR EACH PLACE IN THE ROW). FIRST YOU HAVE 4 GAMES AND WHEN YOU HAVE 3 OR 4 EQUAL SYMBOLS THE CALCULATOR REWARDS THIS BY GIVING YOU EXTRA GAMES. WHEN YOU HAVE 3 OR 4 BARS YOU GET EVEN MORE! AFTER EVERY GAME IN WHICH YOU DID NOT WIN ANYTHING OR HOLD ANYTHING YOU MAY HOLD SYMBOLS.
WHEN YOU WIN SOME GAMES YOU CAN CHOOSE! YOU CAN COLLECT OR YOU CAN PLAY DOUBLE OR NOTHING!

00221 PGM LINES 057 DATA REGS
TON VROUWE
NL - EGMOND A/D HOEF

10363 **MOONLANDER**
C

YOU ARE IN A MOONLANDER AND YOUR TASK IS TO GET DOWN SAFELY. YOU ONLY HAVE GOT A LIMITED AMOUNT OF FUEL, AND YOU HAVE TO REACT VERY QUICKLY BECAUSE YOU HAVE ONLY GOT A FEW SECONDS TO PUT IN THE FUEL. THE CALCULATOR SHOWS YOUR HEIGHT, FUEL AND RATE AND IT ALSO LETS YOU KNOW WHEN YOU CRASH!

00101 PGM LINES 029 DATA REGS
TON VROUWE
NL - EGMOND A/D HOEF

10364 **BASE TANGENT WK OVER N*THEETS**
C

THIS PROGRAM CALCULATES THE BASE TANGENT OVER N THEETS OF INVOLUTE SPUR AND HELICAL GEARS WITH AND WITHOUT ADDENDUM MODIFICATION COEFFICIENT.

00115 PGM LINES 025 DATA REGS
KONRAD ZAMBELLI
I - BRUNICO

10365 **STEAM TURBINES**
C

GIVEN STEAM INLET PRESSUE AND TEMPERATURE THE PROGRAM CALCULATES STEAM ENTHALPY AND ENTROPY. NEXT , THE EXHAUST PRESSURE IS TO BE GIVEN AND THE ADIABETIC EXHAUST ENTHALPY IS CALCULATED AND WITH THE TURBINE THERMAL EFFICIENCY THE ACTUAL EXHAUST ENTHALPY IS CALCULATED. FINALLY TURBINE STEAM CONSUMPTION IS CALCULATED FOR GIVEN OUTPUT.
S.I.-UNITS

00197 PGM LINES 008 DATA REGS
J A P ROODHUYZEN
NL - THE HAGUE

10366 **FLAECHE**
C

WITH THIS PROGRAM YOU CAN CONVERT A GIVEN SQUARE-MEASURE INTO ANOTHER UNIT. YOU CAN SELECT AMONG 10 DIFFERENT UNITS.
(ENGLISH AND GERMAN UNITS)

00107 PGM LINES 000 DATA REGS
ROLF SCHOENENBERG
D - HANNOVER

10367 **GEWICHTE**
C

WITH THIS PROGRAM YOU CAN CONVERT A GIVEN WEIGHT INTO ANOTHER UNIT. YOU CAN SELECT AMONG 10 DIFFERENT UNITS
(ENGLISH-AMERICAN-GERMAN UNITS)

00107 PGM LINES 000 DATA REGS
ROLF SCHOENENBERG
D - HANNOVER

10368 **HOHLRAEUME**
C

WITH THIS PROGRAM YOU CAN CONVERT A GIVEN CAVITY-MEASURE INTO ANOTHER UNIT. YOU CAN SELECT AMONG 10 DIFFERENT UNITS.
(ENGLISH,AMERICAN AND GERMAN UNITS)

00107 PGM LINES 000 DATA REGS
ROLF SCHOENENBERG
D - HANNOVER

10369 **AUTOMATIC DESIGN OF STELL BEAMS**
C

GIVEN THE MOMENT AND THE SPAN,HP41C FINDS IN A TABLE OF STANDARD SECTIONS (I.HEB,...) STORED IN MAGNETIC CARD, THE SMALLEST SECTION WHICH WILL LIMIT MAX. ALLOWABLE FIBRE-STRESS AND/OR IN THE CASE OF DISTRIBUTED LOAD, THE MAX. ALLOWABLE DEFLECTION. FOR OTHER LOADS, CALCULATES PROFILE, FIBRE-STRESS AND DEFLECTION. IF SECTION IS KNOWN, CALCULATES FIBRE-STRESS AND DEFLECTION.

00146 PGM LINES 038 DATA REGS
FELIPE SANCHEZ-CUENCA
E - PALMA MALLORCA

10370 **ROOTS**
C

THIS PROGRAM SOLVES ANY EQUATION OF DEGREE 2,3,4 WITH REAL OR COMPLEX COEFFICIENTS.
THIS PROGRAM MAKES USE OF THE METHODS OF CARDAN AND OF FERRARI.

00612 PGM LINES 049 DATA REGS
NICOLAS FREDERIC
F - DOLE

10371 **GAS 1**
C

GIVEN CERTAIN QUANTITIES ABOUT A GAS, THIS PROGRAM CALCULATES OTHER ONES THAT ARE UNKNOWN. THE PROGRAM CONSIDERS THIS GAS AS PERFECT AND IS BASED ON THE CELEBRATED FORMAULA - PV=NRT (WHERE R IS THE UNIVERSAL GAS CONSTANT)

00136 PGM LINES 008 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10372 **GAS 2**
C

GIVEN MANY GAS, THIS PROGRAM CALCULATES THE VOLUME OF THE TOTAL WHEN ALL THESE GAS HAVE BEEN MIXED IN THE NORMAL CONDITIONS FOR TEMPERATURE AND PRESSURE.
YOU CAN USE SO MANY DIFFERENT GAS AS YOU WANT, BEING ONLY LIMITED BY THE COMPUTER CAPACITY.
ONE MEMORY MODULE REQUIRED IF YOU ADD 17 GAS, 2 IF 60.

00086 PGM LINES 011 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10373 **DIGITS OF E**
C

THIS PROGRAM PRINTS THE FIRST 2401 DIGITS OF E (ONE INTEGER AND 2400 FRACTIONAL)! NEEDS THREE MODULES, A CARD READER AND A PRINTER TO RUN.

00042 PGM LINES 241 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10374 **PLAYING MASTERMIND WITH HP-41C**
C

YOUR CALCULATOR GENERATES A SECRET CODE WITH UP TO 9 POSITIONS AND 9 COLOURS (1- MAX. 9), AND IT IS YOUR TASK TO FIND IT OUT. AFTER EACH GUESS HP-41C TELL YOU HOW MANY DIGITS ARE RIGHT IN POSITION AND COLOUR (BLACK KEY-PEG) AND HOW MANY ARE RIGHT IN COLOUR ONLY (WHITE). AT THE END YOUR HP SHOWS THE SECRET CODE AND THE NUMBER OF GUESSES YOU

10374 (CONTD)

NEEDED FOR DECODING IT.

00108 PGM LINES 041 DATA REGS
ULRICH DAVERTZHOFEN
D - WUPPERTAL

10375 CURVE DESIGN
C

PROGRAM CALCULATES THE COORDINATES OF ANY POINT ON A CIRCULAR CURVE GIVEN THE COORDINATES OF THE CENTRE THE HAND OF THE CURVE, THE CHAINAGE AND COORDINATES OF ONE POINT ON THE CURVE.
A NON PRINTER VERSION WILL BE SUPPLIED ON REQUEST
A PRINTER ONLY VERSION WILL BE SUPPLIED ON REQUEST

00218 PGM LINES 065 DATA REGS
MARK CRACKNLELL
WAN - LAGOS

10376 POLYNOMIAL INTERPOLATION
C

THIS PROGRAM FITS A POLYNOMIAL OF DEGREE N TO A SET OF Q (X,Y) PAIRS, WITH EQUALLY SPACED X.
MAXIMUM Q=32M+5, WHERE M IS THE NUMBER OF RAM-MODULES USED. THE DEGREE N IS CHOSEN BY THE PROGRAM AND ALWAYS LESS THAN Q. THE POLYNOMIAL GOES THROUGH ALL DATA POINTS AND ALLOWS FOR VERY ACCURATE INTERPOLATION.

00211 PGM LINES 018 DATA REGS
THOMAS OKKEN
NL - BILTHOVEN

10377 COMPLEX RPN STACK
C

THIS PROGRTAM OFFERS ALL U STACK REGISTERS, A LAST X-REGISTER AND 10 STORAGE REGISTERS AND THE FUNCTIONS ENTER, LASTX, X<>Y, RDN, CLST, CLX, -,+,*,/, 1/X, X**2, SQRT, Y**X, R**, ABS, STO AND RCL.
THIS PROGRAM REQUIRES AT LEAST 1 RAM-MODULE. ITS UNIQUE FEATURE IS THAT IT DISPLAYS REAL AND IMAGINARY PART AT ONE TIME, WITH AN "I" AFTER THE IMAGINARY PART.

00259 PGM LINES 031 DATA REGS
THOMAS OKKEN
NL - BILTHOVEN

10378 LINEAR SYSTEMS IN N UNKNOWNS
C

THIS PROGRAM SOLVES LINEAR EQUATIONS IN N UNKNOWNS, WHERE N IS LIMITED ONLY BY AVAILABLE REGISTERS. TO OBTAIN RELEVANT NUMERICAL RESULTS A PIVOTING STRATEGY IS USED. THE PROGRAM IS WRITTEN FOR USE AS A SUBPROGRAM, IT USES THE REG 00-05, THE MATRIX ELEMENTS MAY BE STORED IN COLUMN ORDER BEGINNING AT ANY REG>05. AN EXAMPLE MAIN PROGRAM FOR MANUELL INPUT IS GIVEN. WITH THIS MAIN PROGRAM 2 MOMORY MODULES ARE NECESSARY TO SOLVE A SYSTEM OF LINEAR EQUATION IN 12 UNKNOWNS.

00100 PGM LINES 000 DATA REGS
MARTIN KAWALETZ
D - SALZGITTER

10379 GAMMA
C

THIS PROGRTAM CALCULATES THE GAMMA FUNCTION FOR VALUES RANGING FROM -69 THROUGH +70 (POSITIVE AND NEGATIVE VALUES).

00190 PGM LINES 004 DATA REGS
HADINGER STEPHAN
F - FRANCHEVILLE

10380 WEAR RATE & TOTAL METAL
C

"WEAR2" CALCULATES THE TOTAL WEAR METAL AND/OR THE WEAR RATE OF AN OIL-LUBRICATED MECHANICAL SYSTEM FROM DATA OBTAINED BY SPECTROMETRIC

10380 (CONTD)

ANALYSIS OF A SERIES OF LUBRICATING OIL SAMPLES. GRAPHICAL AND/OR MATHEMATICAL ANALYSIS OF THE TOTAL WEAR METAL AND WEAR RATE VALUES CAN BE OF GREAT VALUE IN DETERMINING THE SYSTEM'S MECHANICAL HEALTH, BECAUSE DISTORTIONS IN WEAR TRENDS CAUSED BY MID-RUN TOP-UPS WITH CLEAN LUBRICANT ARE GREATLY REDUCED

00099 PGM LINES 011 DATA REGS
D HODGES
UK - PINNER

10381 REGULAR POLYGONES
C

IF NUMBER OF SIDES AND SIDE LENGTH OF A REGULAR POLYGON ARE KNOWN,THIS PROGRAM CALCULATES:
1) THE ANGEL BETWEEN THE SIDES
2) AREA OF THE REGULAR POLYGON
3) RADIUS OF THE CIRCUMSCRIBED CIRCLE
4) RADIUS OF THE INSCRIBED CIRCLE

00059 PGM LINES 016 DATA REGS
KIM GRAU
DK - ODENSE

10382 SIMPLE LINEAR INTERPOLATION
C

IF (X1,F(X1)) AND (X2,F(X2)) ARE 2 POINTS OF A FUNCTION F, THEN THE VALUE OF THE FUNCTION F(X) AT X CAN BE APPROXIMATED USING THE PROGRAM

00038 PGM LINES 011 DATA REGS
KIM GRAU
DK - ODENSE

10383 PERMUTATION/COMBINATION BERNOULLI'S FORMULA
C

THIS PROGRAM CALCULATES SOME BASIC FORMULAS IN STATISTIC AND PROBABILITY:
1) PERMUTATION
2) COMBINATION
3) VALUE OF BERNOULLI'S FORMULA (OR BINOMIAL FORMULA)

00102 PGM LINES 027 DATA REGS
KIM GRAU
DK - ODENSE

10384 EVEN WINS
C

IN THIS GAME 27 MARBLES ARE PLACED IN A ROW. YOU TAKE TURNS WITH HP41C PICKING UP BETWEEN ONE AND FOUR MARBLES EACH TURN. THE GAME ENDS WHEN THERE ARE NO MARBLES LEFT AND THE WINNER IS THE ONE WITH AN EVEN NUMBER OF MARBLES PICKED UP. THIS PROGRAM IS VERY DIFFICULT TO BEAT IF YOU DON'T KNOW HOW TO PLAY THE GAME.

00185 PGM LINES 006 DATA REGS
GEORGES HENRY
F - PARIS

10385 CURRENT VALUE OF A TREASURY BILL
C

THE PROGRAM COMPUTES THE PRESENT VALUE OF A TREASURY BILL. TO USE IT YOU MUST ENTER THE BILL FACE VALUE ALONG WITH ISSUE AND MATURITY DATES -THEN ENTER THE CURRENT DATE AND CURRENT PRICE BID. THE PROGRAM THEN PROVIDES THE CURRENT AS A DOLLAR AMOUNT.

00125 PGM LINES 020 DATA REGS
GEORGE HENRY
F - PARIS

10386 SUNRISE AND SUNSET
C

THIS PROGRAM CALCULATES THE TIME GMT FOR SUNRISE AND SUNSET AS A FUNCTION OF THE GEOGRAPHIC COORDINATES AND THE DATE.

00091 PGM LINES 035 DATA REGS
MANFRED MICKOTEIT
D - KOBLENZ

10387 CURRENCY CONVERTER
C

CONVERTS WITH AID OF A PRESTORED EXCHANGE RATE LIST BETWEEN ANY TWO CURRENCIES ON THE LIST. THE LIST CAN EASILY BE UPDATED AND THE NUMBER OF DIFFERENT CURRENCIES LISTED CAN BE CHANGED. PRESENT LIST CONTAINS 13 DIFFERENT CURRENCIES.

00078 PGM LINES 035 DATA REGS
TORGNY WINGBRO
S - HISINGS BACKA

10388 KINETIK
C

THIS PROGRAM CALCULATES THE ARRHENIUS PARAMETERS OF CHEMICAL REACTIONS FROM EXPERIMENTAL TEMPERATURE-RATE CONSTANT DEPENDENCY. BESIDES IT COMPUTES THE CORRELATION COEFFICIENT OF THE ARRHENIUS PLOT, ERRORS OF ACTIVATION ENERGY AND FREQUENCY FACTOR, AND FOR A GIVEN TEMPERATURE IT DETERMINES THE ENTHALPY OF ACTIVATION, THE ENTROPY OF ACTIVATION AND THE GIBBS FREE ENERGY OF ACTIVATION OF A CHEMICAL REACTION.

00200 PGM LINES 063 DATA REGS
HELMUT MEIER
D - HATTINGEN

10389 TINY OPERATING SYSTEM (MONITOR) TOS-1.4
C

THE BRAINS OF MOST PERSONAL COMPUTER SYSTEMS ARE THEIR OPERATING SYSTEMS (MONITORS). SINCE HP-41C IS FIRST TRULY PORTABLE PERSONAL COMPUTER IT HAS A VERY GOOD PREPROGRAMMED OPERATING SYSTEM. HOWEVER,IT IS STILL POSSIBLE TO ACHIEV BETTER RESULTS BY EXTENDING THE CAPABILITIES OF BUILT-IN SOFTWARE BY USER-WRITTEN SOFTWARE. PROGRAM (MEMORY-RESIDENT) ALLOWS YOU TO USE HP-41C AS A PROGRAMMABLE AND NON-PROGRAMMABLE MACHINE UNDER FULL PROGRAM CONTROL WITHOUT KNOWING THE EXACT STATUS OF THE CALCULATOR. ...

00062 PGM LINES 000 DATA REGS
BRANKO SPOLJARIC
YU - ZAGREB

10390 MUSIC COMPOSER
C

THIS PROGRAM ALLOWS YOU TO COMPOSE MUSIC USING HP-41C BEEPER. PROGRAM WILL CODE TEN TONES PER REGISTER. IT USES REGISTERS 00,01 AND 02. ALL OTHER REGISTERS ARE FREE FOR THE COMPOSED MELODY (13 REGISTERS=130 TONES ON BASIC HP-41C). PROGRAM USES ALPHANUMERIC CAPABILITIES OF HP-41C TO INTERACT WITH YOU WITH LOTS OF MEANINGFUL MESSAGES.

00163 PGM LINES 004 DATA REGS
BRANKO SPOLJARIC
YU - ZAGREB

10391 WORD MASTERMIND
C

USE THE ALPHA CAPABILITIES OF YOUR CALCULATOR AND PLAY WORD MASTERMIND -THE SAME AS NORMAL MASTERMIND BUT WITH WORDS. THERE IS A VOCABULARY OF 42 THREE-LETTER-WORDS.

00129 PGM LINES 024 DATA REGS
KRIS HENDRIECKX
B - DEURNE

10392 HYPERBOLIC FUNCTIONS
C

THIS PROGRAM CAN CALCULATE THE BASIC HYPERBOLIC FUNCTIONS AND THEIR INVERSES, LEAVING THE STACK INTACT AND PUTTING THE USED NUMBER IN THE LASTX REGISTER. WITH JUST SWITCHING THE USER-SWITCH, YOU CAN CHANGE FROM NORMAL TRIG FUNCTIONS TO HYPERBOLICS.

00086 PGM LINES 005 DATA REGS

10392 (CONTD)

KRIS HENDRIECKX
B - DEURNE

10393 DIGIT POSITION GAME
C

IN THIS GAME, 9-DIGIT RANDOM NUMBERS APPEAR IN A FLASH AND YOU HAVE TO SEE IN WHICH POSITIONS CERTAIN DIGITS ARE.

00085 PGM LINES 006 DATA REGS
KRIS HENDRIECKX
B - DEURNE

10394 GRAPH OF BIORHYTHMIC CYCLES
C

THIS PROGRAM GIVES YOU A SIMULTANEOUS GRAPH OF THE THREE BIORHYTHMIC CYCLES, REPRESENTING EACH ONE WITH A LETTER ON THE GRAPH. PRINTER REQUIRED.

00214 PGM LINES 006 DATA REGS
KRIS HENDRIECKX
B - DEURNE

10395 DATA SORTING
C

THIS PROGRAM SORTS NUMBERS.ONLY ONE REGISTER IS USED BY THE PROGRAM.ALL THE OTHERS ARE USED FOR DATA STORAGE. ROUTINES FOR PRINTER OUTPUT ARE INCLUDED.

00055 PGM LINES 000 DATA REGS
KRIS HENDRIECKX
B - DEURNE

10396 CALENDAR
C

THIS PROGRAM MAKES A CALENDAR FOR A SPECIFIC MONTH, A CERTAIN YEAR OR FOR ALL THE MONTHS FROM A CERTAIN STARTING MONTH. PRINTER REQUIRED.

00182 PGM LINES 007 DATA REGS
KRIS HENDRIECKX
B - DEURNE

10397 ORIFICE
C

THE PROGRAM CALCULATES THE ORIFICE DIAMETER FOR A SPECIFIED PRESSURE DROP AND MASS FLOW. THE PRESSURE DROP CAN BE TAKEN FROM INLET TO VENA CONTRACTA (MEASURING ORIFICE PLATE WITH FLANGE TAPS) OR FROM INLET TO DOWNSTREAM (RECOVERED AP FOR RESTRICTION ORIFICES). THE OPTION EXISTS TO CALCULATE THE MASS FLOW, EITHER FOR A SPECIFIED ORIFICE DIAMETER OR, IF THE PROGRAM HAS JUST BEEN USED TO CALCULATE AN ORIFICE DIAMETER, THE MASS FLOW FOR A DIFFERENT PRESSURE DROP CAN BE DETERMINED.

00287 PGM LINES 015 DATA REGS
D E THOMAS
UK - SURBITON

10398 "T" (TENNIS)
C

THIS PROGRAM SIMULATES A GAME OF TENNIS. YOU'LL HAVE TO WIN 2 SETS TO WIN THE MATCH. IF YOU ARE A FAIR PLAYER, YOU'LL GIVE THE HP-41C A SEED SO HE CAN TAKE YOUR BALLS.

00548 PGM LINES 018 DATA REGS
MICHEL VERSWYVEL
B - BERCHEM

10399 STICKS
C

THIS PROGRAM DERIVES FROM THE GAME "STICKS". THE HP AND THE USER WILL ALTERNATELY TAKE STICKS FROM A PILE. THE PLAYER WHO HAS TO TAKE THE LAST STICK LOOSES.

00189 PGM LINES 004 DATA REGS
KLAUS VOGEL
D - BERLIN

10400 BEAMSLAB
C

THIS PROGRAM WILL CALCULATE ALL THE NECESSARY PARAMETERS TO DESIGN BEAMS AND SLABS TO CP114 (BRITISH PRACTICE). NECESSARY INPUTS ARE ALLOWABLE STEEL AND CONCRETE STRESSES AND DEPTHS TO TENSION AND COMPRESSSION STEEL. ROUTINES ARE PROVIDED THAT GIVE SUITABLE STEEL REINFORCEMENT AND THE MOST ECONOMICAL REINFORCEMENT.A NON PRINTER VERSION WILL BE SUPPLIED ON REQUEST.

00372 PGM LINES 107 DATA REGS
MARK CRACKNELL
WAN - LAGOS

10401 4-FUNCTIONS-PLOTTER
C

IT IS OFTEN NECESSARY, TO PLOT SEVERAL FUNCTIONS IN ONE DIAGRAMM. THIS PROGRAMM CAN PLOT UP TO 4 FUNCTIONS WITH DIFFERENT PRINTING-TYPES. THUS A CLEAR DESCRIPTION OF FUNCTIONSUMS ETC. WITH THE PRINTER IS POSSIBLE.

00276 PGM LINES 014 DATA REGS
ROLF-DIETER PAHLEN
D - BERLIN

10402 MEAN AND RANGE CONTROL CHARTS
C

THIS PROGRAM COMPUTES
1) THE SAMPLE MEAN AND THE SAMPLE RANGE
2) THE OVER ALL MEAN AND THE AVERAGE RANGE
3) THE UPPER AND LOWER CONTROL LIMIT FOR THE MEAN
4) THE UPPER AND LOWER CONTROL LIMIT FOR THE RANGE

00146 PGM LINES 030 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10403 LOGARITHMS
C

THIS PROGRAM CALCULATES LOGARITHMS WITH A BACE GREATER THAN 0 AND NOT EQUAL TO ONE.

00013 PGM LINES 004 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10404 FLASH AND BOOM
C

AN EASY WAY TO FIND OUT WHETHER A THANDERSTORM WILL END.

00044 PGM LINES 013 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10405 BODY SURFACE AREA CALCULATIONS
C

THIS PROGRAM CALCULATES BODY SURFACE AREA BY EITHER THE DUBOIS OR BOYD FORMULA. IF CARDIAC OUTPUT IS KNOWN, CARDIAG INDEX MAY ALSO BE CALCULATED.

00056 PGM LINES 014 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10406 CONVERSIONS (GENERAL) PART I
C

THIS PROGRAM MAKES CONVERSIONS BETWEEN UNITS OF THE FOLLOWING CATEGORIES:
1) LENGTH
2) AREA
3) VOLUME
4) MASS
5) ENERGY
6) FORCE

00220 PGM LINES 095 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10407 RELIGIOUS HOLIDAYS
C

PROGRAMME CALCULATEES CALENDAR

10407 (CONTD)

DATES OF EASTER AND NINE OTHER HOLIDAYS FOR THE PERIOD 1900 TO 2099.
ALGORITHM USED IN GAUSS FORMULA.

00145 PGM LINES 003 DATA REGS
HARALD THORWEST
D - LEVERKUSEN

10408 CUMCAN
C

THIS PROGRAM KEEPS ALL THE NECESSARY DATA DURING THE CARD GAME "CUMCAN" AT LEAST AS PLAYED IN GREECE.IT ACCEPTS UP TO 6 PLAYERS' NAMES (6 CHARACTERS MAX.) & STORES & DISPLAYS THE TEMORARY SCORE & CAPS FOR EACH PLAYER (FOLLOWING THE CORRESPONDING PLAYER'S NAME). ANY TIME IS EASY TO SEE THE SCORE-CAPS OF EACH PLAYER. ACCORDING TO THE PARTIAL SCORES GIVEN TO THE PROGRAM THIS DETECTS THE WINNER, SHOWS HIS NAME AND SPELLS MESSAGES TO MAKE THE GAME MORE AMUSING. ILLEGAL DATA ARE YET DETECTED BY THE PROGRAM.

00209 PGM LINES 000 DATA REGS
DENNIS PHOTOPOULOS
GR - ATHENS

10409 POL 1
C

THIS PROGRAM CALCULATES THE WORTH OF THE POLYNOMIAL
F(X)=A0+A1X**1+A2X**2+...ANX**N
(AN NOT EQUAL 0)
THE NUMBER OF ACCESSIBLE DATA REGISTERS RESTRICT THE NUMBER OF COEFFICIENTS.

00054 PGM LINES 017 DATA REGS
JONAS BRANDING
S - GOETEBORG

10410 POL 2
C

THIS PROGRAM CALCULATES THE WORTH OF THE POLYNOMIAL
F(X)=A0+AIX**I+A2X**2+...+ANX**N
(AN NOT EQUAL 0)
THE NUMBER OF ACCESSIBLE DATA REGISTERS RESTRICT THE NUMBER OF COEFFICIENTS.

00048 PGM LINES 014 DATA REGS
JONAS BRANDING
S - GOETEBORG

10411 PLOT OF BIORHYTHMS
C

PLOTS AT THE SAME TIME THE THREE SINUSOIDS DEPICTING A GIVEN BIORHYTHM (PHYSICAL, SENSITIVITY, COGNITIVE CYCLES), FOR THE NUMBER OF DAYS YOU WISH. THE RESULT, SHOWING THE THREE TANGLED CURVES, IS VERY NICE.

00312 PGM LINES 015 DATA REGS
PHILIPPE BEAUGRAND
F - PARIS

10412 NUMBER GUESS
C

THIS PROGRAM CREATES A FOUR DIGIT NUMBER;THE PLAYER MUST FIND IT IN A MINIMUM OF GUESSES. THE NUMBER HAS NO REPEATED NUMERALS, BUT THE PLAYER CAN DO IT WITH REPETITIVE DIGITS, INCREASING DIFFICULTIES. PROGRAM SHOWS THE STATE OF GUESS IN A CODE OF "DEADS" AND "WOUNDED", DEPENDING OF SIZE OF NUMERAL AND POSITION WITH RESPECT TO THE HIDDEN NUMBER.

00206 PGM LINES 056 DATA REGS
JOSE LUIS CHINCHILLA
E - MADRID

10413 HANG MAN
C

UP TO 106 WORDS OF SIX LETTERS CAN BE STORED IN MEMORY, AND YOU WILL HAVE TO FIND THEM ACCORDING TO THE OLD FORM OF "HANG MAN" GAME: THE

10413 (CONTD)

CALCULATOR TELLS YOU ONLY LETTERS CORRECTLY PLACED IN YOUR TENTATIVE WORD, AND AT EACH UNSUCCESSFUL MOVE IT BUILDS UP A LITTLE MORE YOUR GALLOWS; WHITHIN YOUR NINTH UNSUCCESFUL ATTEMPT, YOU'LL BE HUNG TO DEATH.

00280 PGM LINES 110 DATA REGS
PHILIPPE BEAUGRAND
F - PARIS

10414 RECTANGULAR FRAME (2 TO 7 SUPPORTS)
C

PROGRAM FINDS OUT BENDING MOMENT DISTRIBUTION OVER A RECTANGULAR FRAME, BUILT UP AS A CONTINUOUS BEAM (MAX 6 SPANS), SUPPORTED BY COLUMNS OR SIMPLY SUPPORTED. BOTH ENDS CAN BE FIXED. COLUMN ENDS CAN BE FIXED OR HINGED. LOADS MAY BE DISTRIBUTED; POINT-, MOMENT-OPTRAPEZIUM LOAD ON PART OF SPAN IN ANY COMBINATION AND REPETITION. ONLY VERTICAL FORCES ON THE HORIZONTAL FRAME MEMBERS ARE ACCEPTED. FRAME MEMBERS CAN HAVE DIFFERENT CROSS SECTIONS AND MATERIALS.
PRINTER ADAPTED.

00840 PGM LINES 064 DATA REGS
ERIC VAN LANDEGHEM
B - BEVEREN

10415 GAS 3
C

GIVEN A GAS CHARACTERISED BY ITS VOLUME, PRESSURE AND TEMPERATURE, THIS PROGRAM CALCULATES EITHER:
1) ITS PRESSURE OR VOLUME FOR ANOTHER TEMPERATURE AND ANOTHER VOLUME OR PRESSURE, OR 2) ITS TEMPERATURE FOR ANOTHER VOLUME AND PRESSURE
THIS PROGRAM IS VERY PRACTICAL FOR ALL CHEMISTS, MECHANICIANS,...

00076 PGM LINES 007 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10416 COMPLEX
C

THIS PROGRAM CALCULATES ALL ROOTS OF A COMPLEX NUMBER FOR ANY DEGREE; THE DATA ARE GIVEN WITH REAL AND COMPLEX PART, THE RESULTS ALSO. VERY GOOD PRECISION AND QUICK CALCULATIONS.

00085 PGM LINES 009 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10417 CALCULATION OF BEAMS - SITUATION 1
C

WITH THIS PROGRAM YOU CAN CALCULATE DA THAT IS THE MAXIMUM BENT DOWN MEASURE, Y THAT IS THE ELASTIC LINE EQUATION, V THAT IS THE ANGLE, MB AND MBM THAT IS THE BENDING MOMENT (YOU CAN CALCULATE THE MAXIMUM BENDING MOMENT AND ALSO THE MOMENT AT ANY X-VALUE)

00171 PGM LINES 010 DATA REGS
K MARCUS A STEEN
S - VRETSTORP

10418 CALCULATION OF BEAMS - SITUATION 2
C

WITH THIS PROGRAM YOU CAN CALCULATE THE PRESSURE IN A AND B, DA THAT IS THE MAXIMUM BENT DOWN MEASURE, Y AND Y1 THAT IS THE ELASTIC LINE EQUATION, V AND V1 ARE THE ANGLES, MBX, MBX1 AND MBM THAT IS THE BENDING MOMENT (YOU CAN CALCULATE THE MAXIMUM BENDING MOMENT AND ALSO THE MOMENT AT ANY X-VALUE)

00294 PGM LINES 019 DATA REGS
K MARCUS A STEEN
S - VRETSTORP

10419 GAME
C

10419 (CONTD)

IN THIS GAME THREE NUMBERS ARE GENERATED AND, LIKE A GAMBLING-MACHINE, YOU CAN GAMBLE ONE TIME MORE FOR EACH OF THESE NUMBERS. IF TWO NUMBERS ARE EQUAL YOU GET BONUS POINTS; BY THREE EQUAL NUMBERS AN EXTRA BONUS IS GIVEN.

00102 PGM LINES 007 DATA REGS
H DELAHAYE
NL - VOERENDAAL

10420 X-TENDED EUCLID'S ALGORITHM
C

GIVEN TWO POSITIVE INTEGERS M,N THIS PROGRAM CALCULATES THEIR GREATEST COMMON DIVISOR D AND TWO INTEGERS A,B SO THAT:
A*M+B*N=D

00059 PGM LINES 008 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10421 SIGHT REDUCTION TABLE
C

PROGRAM CALCULATES THE COMPUTED ALTITUDE AND AZIMUTH OF A CELESTIAL BODY GIVEN THE LOCAL HOUR ANGLE AND DECLINATION OF THE BODY AND VICE VERSA. STANDARD INPUT IS THE OBSERVER'S LATITUDE.

00067 PGM LINES 005 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10422 AUTOMATIC CHANGE MAKER
C

THIS PROGRAM CAN HELP YOU IN EVERYDAY'S TRANSACTIONS WHERE CHANGE IS INVOLVED,E.G. CHECKING THE CHANGE GIVEN BY A SUPER MARKET CASHIER. IT PERFORMS THE FOLLOWING FUNCTIONS: 1)GIVEN THE PRICE AND THE AMOUNT YOU PAY, IT CALCULATES THE CHANGE YOU MUST RECEIVE (HOW MANY COINS OF EACH DENOMINATION). 2)GIVEN THE AMOUNT YOU MUST PAY, IT CALCULATES OPTIMIZED COMPOSITION OF THE COINS YOU WILL GIVE. 3)CAN BE USED TO ANALYSE A NUMBER IN THE FOLLOWING WAY: X=A1*N1+A2*N2;...+AK*NK (NI GIVEN, AI CALCULATED)

00073 PGM LINES 000 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10423 VERY HIGH - VERY LOW
C

THIS HIGH-LOW GAME IS LIKE THE WELL-KNOWN GAME OF HIGH-LOW. HERE, HOWEVER, THE NUMBERS RANGE BETWEEN 1 AND 999999999. THE MESSAGES GIVEN ARE: VERY LOW, LOW EXACT, HIGH AND VERY HIGH. DEPENDING ON THE RELATIONSHIP OF THE HIDDEN AND THE SUGGESTED NUMBER.EITHER THE MACHINE OR THE HUMAN CAN HIDE THE NUMBER; THE OTHERS MUST FIND IT.

00137 PGM LINES 010 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

10424 CONTINUOUS DIVISION
C

HP-41C IS CAPABLE OF HANDLING LOTS OF INFORMATION.PROGRAM GIVES YOU AN IDEA ABOUT THE CAPACITY A HP-41C HAS. FURTHERMORE IT IS POSSIBLE TO DIVIDE X & Y WITHOUT A LIMIT TO THE NUMBER OF THE DIGITS.THE ONLY LIMIT THAT COUNTS IS FOR X & Y. THE MAXIMUM NUMBER FOR X & Y IS:THEY HAVE TO BE SMALLER THAN 1000000000! I THINK THAT DIGIT FANS CAN USE IT WHEN THEY WANT TO CRACK THE CASE ACCURATELY. PS:YOU WILL BE ASTONISHED HOW FAR YOU CAN GET IN ONE HOUR! FOR A LARGE CASE 5.463 DIGITS PER HOUR! NO PRINTER & CARD READER

00245 PGM LINES 099 DATA REGS
J P VAN DER BURGT
NL - SON

10425 POLYNOMIAL REGRESSION
C

THIS PROGRAM FITS A POLYNOMIAL OF DEGREE P TO A GIVEN SET OF (X,Y) DATA PAIRS, BY GAUSSSIAN LEAT-SQUARES METHOD. THE MAXIMUM P IS 3, 7,10,13 OR 15 WHEN 0,1,2,3 OR 4 RAM MODULES ARE USED, RESPECTIVELY.

00167 PGM LINES 028 DATA REGS
THOMAS OKKEN
NL - BILTHOVEN

10426 PRICE & YIELD OF SHORT & MEDIUM TERM DOLLAR CERTIFICATES OF DEPOSIT
C

THIS PROGRAM COMPUTES NET PROCEEDS (PRICE) OR ANNUALIZED YIELD OF SHORT AND MEDIUM TERM CERTIFICATES OF DEPOSIT (EUROBONDS), GIVEN THE ISSUE, SETTLEMENT AND MATURITY DATES, THE FACE VALUE AND NOMINAL INTEREST RATE.

00308 PGM LINES 017 DATA REGS
PIERRE VASCHALDE
CH - GENEVA

10427 LARGE NUMBER PRODUCTS AND SQUARES UP TO 1395 DIGITS X 1395 DIGITS
C

THIS PROGRAM COMPUTES THE PRODUCT OF TWO NUMBERS X & Y OR THE SQUARE OF A NUMBER X. THE PROGRAM CAN COPE WITH NUMBERS UP TO 1395 DIGITS EACH (WITH 4 ADDITIONAL MEMORY MODULES) OR 115 DIGITS EACH (WITH THE BASIC HP-41C). NO DATA CARD IN NEEDED, X & Y ARE ENTERED IN 5 DIGIT GROUPS & CORRECTIONS ARE EASILY ACCOMPLISHED -ALL DIGITS OF THE RESULT ARE DISPLAYED (OR PRINTED). BY COMPARISON WITH OTHER SIMILAR PROGRAMS IT IS SHORTER, FASTER AND CAN HANDLE MUCH HIGHER NUMBERS.

00162 PGM LINES 285 DATA REGS
JULIAN PERRY
UK - WOKING

10428 INFLIGHT SUNRISE AND SUNSET FOR AIRLINE PILOTS
C

PROGRAM COMPUTES TIME AND AIRCRAFT POSITION OF SUNRISE OR SUNSET FOR WEST - EAST FLIGHTS WITH THE INPUT OF FOLLOWING DATA: DATE, ASSUMED LATITUDE, TYPE OF CLOUD-COVERAGE TO BE EXPECTED, 2 ESTIMATES AND LONGITUDES OF REPORTING POINTS.

00200 PGM LINES 008 DATA REGS
MICHAEL FIEDLER
D - HUENFELDEN

10429 REAL ESTATE INVESTMENT ANALYSIS
C

THIS PROGRAM GIVES A COMPLETE AND DETAILED INVESTMENT ANALYSIS ON A REAL ESTATE PROJECT (I.E. APARTMENT BUILDINGS, CONDOMINIUM COMPLEX, OFFICE BUILDING, SHOPPING CENTERS ETC...). IT GIVES A PROJECTION FOR AN INDEFINITE NUMBER OF YEARS OR FOR A SPECIFIED YEAR. IT GIVES ALSO AN ESTIMATION FOR A SALE AT ANY TIME. UP TO TWO MORTGAGES,DECLINING BALANCE, CROSSOVER POINT'S OPTION, STRAIGHT LINE CAN BE ENTERED.

00639 PGM LINES 035 DATA REGS
CHRISTIAN H MARYSSAEL
SCP - SINGAPORE

10430 SORTING ROUTINE
C

SORTS ANY QUANTITY ON NUMBERS UP TO 289.

NO MEMORY MODULES:		UP TO 33
1 "	"	: UP TO 97
2 "	"	: UP TO 161
3 "	"	: UP TO 225
4 "	"	: UP TO 289

00094 PGM LINES 020 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10431 FLAG TEST
C

THIS PROGRAM DISPLAYS THE STATUS OF ALL THE FLAGS OF THE HP-41C.

00038 PGM LINES 012 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

10432 SATELLITE 1
C

YOU PUT A SATELLITE ON ORBIT; THIS PROGRAM CALCULATES THE CHARACTER-ISTICS OF ITS ORBIT (PERIGEE BEING CHOSEN, THE APOGEE, THE VELOCITY, THE PERIOD, ETC...). MOREOVER, IF YOU ADD PROGRAM SATELLITE-2 10433C, YOU WILL HAVE THE HOUR WHEN YOU CAN SEE THE SATELLITE FROM ANY PLACE ALL OVER THE WORLD AND ALSO ITS APPROXIMATIVE INCLINATION ON YOUR HORIZON. THE ROCKET MAY HAVE SO MANY STORIES AS YOU WANT, AND YOU CAN CHOOSE ANY COMBUSTIBLE YOU DESIRE. VERY GOOD PRECISION.

00161 PGM LINES 044 DATA REGS
TIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10433 SATELLITE 2
C

THIS PROGRAM COMPLETS "SATELLITE 1" 10432C, AND ALLOWS TO CALCULATE THE MOMENT FROM WHICH YOU CAN SEE THE SATELLITE FROM ANY PLACE ALL OVER THE WORLD,AND ALSO GIVES ITS INCLI-NATION ON YOUR HORIZON.THAT PROGRAM CANNOT BE USED SEPARATELY, AND IT INCLUDES AN AUTOMATIC RESULTS GIVER SO THAT YOU HAVE NO TROUBLE TO SEE ALL THE RESULTS FROM SATELLITE-1&2. VERY GOOD PRECISION IN ALL CALCULA-TIONS AND REDUCED LISTING.

00138 PGM LINES 044 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10434 POKER AND SUM OF DIGITS (2 GAMES)
C

POKER:
THE PLAYER SHOULD DRAW 1-3 CARDS OF THE 5 (5 DIGISTS). HE WINS, IF THE SAME DIGITS WILL BE CONFIRMED.

00054 PGM LINES 018 DATA REGS
MANFRED MICKOTEIT
D - KOBLENZ

10435 ROULETTE
C

UP TO 5 PERSONS CAN PLAY AT THE SAME TIME AND THEIR UNLIMITED CHANCES. EACH PLAYER WINS 35-TIMES HIS WINNING CHIP OR LOSES WITH THE SINGLE VALUE OF HIS CHIP. NUMBER AND SEQUENCE OF PLAYERS MAY BE CHANGED DURING THE GAME.

00099 PGM LINES 043 DATA REGS
MANFRED MICKOTEIT
D - KOBLENZ

10436 SEIREM
C

PROGRAM COMPUTES THE THICKNESS-OF-LAYERS ACCORDING TO THE SEISMIC REFRACTION METHOD, USING THE VELO-CITY-INTERCEPT-TIME METHOD.

00137 PGM LINES 000 DATA REGS
STEFAN ELF
S - LULEA

10437 CATCH THE TRICKY SOAP
C

HP HIDES A SOAP SOMEWHERE IN YOUR BATH (N*M). TRY TO GRASP IT IN AS FEW TRIES AS POSSIBLE. YOU MAY MISS IT, BUT WHEN YOU HIT IT ON ITS BOARD, IT MAY ESCAPE YOU IN THE OPPOSITE DIRECTION, BEING REFLECTED IF NECESSARY BY THE BATH WALLS. (IMPROVED VERSION OF THE PROGRAM OF J. J. DHENIN/A.JENNET PUBLISHED IN THE REVIEW "JEUX ET STRATEGIES", PARIS 1980.

10437 (CONTD)

00144 PGM LINES 012 DATA REGS
LUZIUS AUER
CH - RENENS

10438 MISSIONARIES & CANNIBALS
C

THREE MISSIONARIES AND THREE CANNIBALS GO TO HAVE A WALK. THERE-FORE, THEY NEED TO CROSS A RIVER, THERE IS A BOAT BUT ONLY TWO PER-SONS WILL FIT IN. AND THERE IS ANOTHER PROBLEM: WHEN THERE IS A MINORITY OF MISSIONARIES ON ONE SIDE OF THE RIVER, THEY WILL BE EATEN BY THE CANNIBLAS! YOUR TASK IS TO GET THEM ALL TO THE OTHER SIDE, SAFE AND SOUND!

00101 PGM LINES 037 DATA REGS
TON VROUWE
NL - EGMOND AAN DE HOEF

10439 PLOTTING OF NON FUNCTIONAL DATA
C

PROGRAM PLOTS A GRAPH OF N NON-FUNCTIONAL DATA. DATA ARE SCANNED FOR YMIN AND YMAX. WITH THREE RAM'S MAXIMUM N=231

00074 PGM LINES 007 DATA REGS
MICHAEL TARNOWSKI
D - WIESBADEN

10440 CONVERSION FROM A NUMERICAL VALUE OF A RESISTOR TO ITS COLOUR CODE
C

(AND THE OTHER WAY)
THIS PROGRAM ALLOWS A CONVERSION OF NUMERICAL VALUE OF RESISTOR IN OHMS TO ITS 3 COLOURS CODE.
YOU CAN ALSO INTRODUCE THE 3 COLOURS (ASSIGNED ON THE 10 SUPER-IOR KEYS) TO OBTAIN THE NUMERICAL VALUE IN OHMS.

00106 PGM LINES 031 DATA REGS
FRANCIS LAURENT
B - ATH

10441 KINEMA
C

THIS PROGRAM TESTS YOUR KNOWLEDGE OF KINEMATICS. A BALL IS THROWN STRAIGHT UP IN THE AIR AT A RANDOM VELOCITY.
YOU MUST ANSWER THREE QUESTIONS:
1) HOW HIGH WILL IT GO?
2) HOW LONG UNTIL IT RETURNS TO EARTH?
3) WHAT WILL BE ITS VELOCITY AFTER A RANDOM NUMBER OF SECONDS?

00119 PGM LINES 006 DATA REGS
GEORGES HENRY
F - PARIS

10442 GAME OF LIFE (30X30)
C

THIS IS A PROGRAM FOR CONWAYS GAME OF LIFE. IT GENERATES SUBSEQUENT GENERATIONS OF "ORGANISMS" ON A 30X30 FIELD. TO RESTRICT RUNNING TIMES, THE PROGRAM LOOKS ONLY AT THE SMALLEST POSSIBLE RECTANGLE IN WHICH THE PATTERN CAN BE PLACED. TYPICAL RUNNING TIME, WHEN ABOUT 1/4 OF THE BOARD IS OCCUPIED, IS ABOUT 14 MINUTES.
TO RUN THE PROGRAM, ONE MEMORY MODULE IS REQUIRED.

00212 PGM LINES 041 DATA REGS
THOMAS OKKEN
NL - BILTHOVEN

10443 BIORHYTHM
C

A PROGRAM FOR CALCULATING YOUR PERSONAL BIORHYTHM. THE THREE GRAPHS (P-23 DAYS-, S- 28 DAYS-AND I- 33 DAYS RECARING) ARE SUC-CESSIVELY PLOTTED, THEREFORE, PROG-RAM REQUIRES PERIPHERAL PRINTER 82143A.

00303 PGM LINES 103 DATA REGS
CHRISTOPH LACKNER

10443 (CONTD)

A - SALZBURG

10444 MENELAOS TRIANGLE FORMULA
C

GIVEN A TRIANGLE, YOU CHOOSE 2 POINTS SITUED ON 2 SIDES OF IT.THIS PROGRAM CALCULATES THE BARICENTRIC COORDINATES OF A THIRD POINT SITUED ON THE THIRED SIDE, SO THAT THE 3 POINTS ARE ON THE SAME STRAIGHT. QUICK CALCULATION AND REDUCED LIS-TING. THIS PROGRAM BELONGS TO A TRIANGLE CALCULATIONS' SERIES: SEE PROGRAM 'CEVA TRIANGLE FORMULA' 10445C.

00029 PGM LINES 004 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10445 CEVA TRIANGLE FORMULA
C

GIVEN A TRIANGLE, YOU CHOOSE 3 POINTS SITUED ON EACH SIDE OF THIS TRIANGLE. THIS PROGRAM CALCULATES THE COORDINATES OF THE THREE STRAIGHTS, PASSING THROUGH ONE OF THE PRECEDING POINT & THE OPPOSITE TRIANGLE APEX, INTERSECTION.
EXAMPLE:YOU HAVE A TRIANGLE (A,B,C) & CHOOSE AN ON THE STRAIGHT BC,B ON AC & C ON AB.THE PROGRAM CALCULATES THE COORDINATES OF THE INTERSECTION POINT BETWEEN THE STRAIGHTS AA, BB AND CC.

00057 PGM LINES 010 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10446 FRACTION
C

GIVEN A RATIONNAL FRACTION, THIS PROGRAM CALCULATES ALL ITS DECIMALS -THE CALCULATION IS OF COURSE EXACTLY RIGHT FOR EACH DECIMAL, AND VERY QUICK TOO.
YOU CAN ALSO VERIFY THE RESULTS WITH PROGRAM "RATIONNELS" AVAILABLE AT THE UPLE. (10335C)

00020 PGM LINES 003 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10447 INVERTED PRANDTL-MAYER FUNCTION
C

TO DATE, THE PRANDTL-MAYER FUNCTION V=(C+1/C-1)**1/2 ARCTAN ((C+1/C-1)(M**2-1)**1/2 - ARCTAN (M**2-1)**1/2 (WHERE C=CV/CP=GAS CONSTANTS) HAS NOT YET BEEN INVER-TED. P.-M. FUNCTION IS USED PRINCI-PALLY IN SUPERSONIC FLOWS COMPUTA-TION, AERODYNAMICS AND GASDINAMICS. THIS PROGRAM FINDS THE INVERTED P.-M. FUNCTION, IN EXAMPLE GIVEN A MACH NUMBER M, IT FINDS THE VALUE OF P.-M. FUNCTION V.

00065 PGM LINES 005 DATA REGS
VITTORIO PEROTTI
I - COMO

10448 TWO STRAIGHT CIRCLES
C

GIVEN TWO USER SPECIFIED STRAIGHTS THE PROGRAM WILL FIT A CIRCULAR CURVE OF A GIVEN RADIUS BETWEEN THEM. THE OUTPUT GIVES COORDS OF THE I.P., THE TANGENT LENGTH, THE COORDS OF THE CURVE CENTRE, THE COORDS AND WHOLE CIRCLE BEARING OF THE BOTH TANGENT PTS. AS WELL AS THE EVEN CHAINAGES, AND THE HAND OF THE CURVE. EVEN CHAINAGE IS DEFINED AS BEING WHERE CHAINAGE MOD INTER-VAL IS ZERO.- A PRINTER ONLY VERSION WILL BE SUPPLIED ON REQUEST A NON PRINTER VERSION WILL BE SUPPLIED ON REQUEST

00385 PGM LINES 122 DATA REGS
MARK CRACKNELL
UAE - ABU DHABI

10449 CIRCLES

10449 (CONTD)

THE PROGRAM PROVIDES FOR AN INTERCHANGEABLE SOLUTION TO TH. GENERAL EQUATION OF THE CIRCLE.

00084 PGM LINES 024 DATA REGS
MARK CRACKNELL
UAE - ABU DHABI

10450 CYLINDRICAL TANK GAUGE
C

THE PROGRAM CALCULATES THE CONTENTS OF A CYLINDRICAL TANK WITH PLANE ENDS GIVEN THE DEPTH LENGHT & INCREMENTAL DEPTH. ROUTINES ARE PROVIDED THAT COMMENCE THE INCREMENTING DEPTH AT TANK BOTTOM OR AT A USER SPECIFIED DEPTH. ALSO FOR A GIVEN DEPTH A ROUTINE WILL CALCULATE THE CONTENTS OF AND THE AMOUNT REQUIRED TO FILL THE TANK. PROVISION IS MADE FOR INPUT & OUTPUT TO BE METRIC (METRES & LITRES) OR IMPERIAL (GALLONS & DUODECIMAL FEET) AS WELL AS PRINTER OR NON PRINTER SITUATIONS. PROGRAM IS BASED ON 50588D.

00296 PGM LINES 093 DATA REGS
MARK CRACKNELL
UAE - ABU DHABI

10451 COORDINATES AND REDUCED LEVELS
C

THIS PROGRAM WILL REDUCE FIELD OBSERVATIONS OF HORIZONTAL AND VERTICAL ANGLES AND SLOPE DISTANCES TO COORDINATES AND REDUCED LEVELS. THE HORIZONTAL ANGLES MAY BE IN THE FORM OF OBSERVED BEARINGS OR WHOLE CIRCLE BEARINGS. THE PROGRAM IS INTENDED FOR USE WITH DATA FOUND BY A WILD T2 THEODOLITE AND WILD DISTOMAT D13/D13S BUT IS EASILY ADAPTED TO SUIT OTHER TYPES OF EDM. A NON PRINTER OR PRINTER ONLY VERSION WILL BE SUPPLIED ON REQUEST.

00228 PGM LINES 075 DATA REGS
MARK CRACKNELL
UAE - ABU DHABI

10452 CLOSED TRAVERSE
C

THE PROGRAM WILL ADJUST A CLOSED TRAVERSE IN ACCORDANCE WITH A MODIFIED BOWDITCH RULE IN SO FAR AS THE COORDINATES & WHOLE CIRCLE BEARING OF THE BASE LINE REMAIN UNALTERED. THE TRAVERSE MAY BE CLOCKWISE OR ANTICLOCKWISE AND MAY HAVE UP TO 10 SIDES. ALL RELEVANT DATA IS OUTPUT. A ROUTINE HAS BEEN PROVIDED TO ALLOW THREE DIFFERENT OUTPUT MODES WHEN THE PRINTER IS NOT CONNECTED. PRINTER ONLY & NON PRINTER VERSIONS WILL BE SUPPLIED ON REQUEST.

00340 PGM LINES 127 DATA REGS
MARK CRACKNELL
UAE - ABU DHABI

10453 MEAN AND STANDARD DEVIATION
C

THE PROGRAM ALLOWS THE USER TO FIND THE MEAN, STANDARD DEVIATION OF THE SAMPLE AND THE POPULATION FOR EITHER SINGLE OR PAIRED DATA. THE RANGE OF VALUES MAY ALSO BE FOUND. INCORRECT ENTRIES MAY BE DELETED. ROUTINES ARE PROVIDED TO STORE AND UPDATE DATA.
A NON PRINTER VERSION WILL BE SUPPLIED ON REQUEST
A PRINTER ONLY VERSION WILL BE SUPPLIED ON REQUEST

00287 PGM LINES 112 DATA REGS
MARK CRACKNELL
UAE - ABU DHABI

10454 DESIGN OF SURFACE WATER AND FOUL SEWERS-"SWS" AND "FWS"
C

PROGRAM "SWS" DESIGNS SURFACE WATER SEWERS IN ACCORDANCE WITH "TRRL ROAD NOTE 35 (2ND EDITION)". PROGRAM "FWS" DESIGNS FOUL SEWERS IN ACCORDANCE WITH "BS CP 2005:1968". SUBPROGRAM "VQFULL" & "VPROP" CALCULATE VELOCITIES & DISCHARGES USING THE COLEBROOK-WHITE EQUATION DESCRIBED IN "HRS CHARTS FOR THE HYDRAULIC DESIGN OF CHANNELS & PIPES (4TH EDITION)". SUBPROGRAM "RAIN" CALCULATES RATE OF RAINFALL BY THE MODIFIED BILHAM FORMULA DESCRIBED IN "TRRL LR595-ESTIMATED RAINFALL FOR DRAINGAGE CALCULATION IN THE UK

00504 PGM LINES 027 DATA REGS
DONALD M A HALL
UK - SUDBURY

10455 CALCULATION OF BEAMS - SITUATION 3
C

WITH THIS PROGRAM YOU CAN CALCULATE THE PRESSURE IN A AND B, DA AND DAL THAT IS THE MAXIMUM BENT DOWN MEASURE, Y AND Y1 THAT IS THE ELASTIC LINE EQUATION, V AND V1 ARE THE ANGLES, MB THAT IS THE MAXIMUM BENDING MOMENT.

00246 PGM LINES 015 DATA REGS
K MARCUS A STEEN
S - VRETSTORP

10456 CALCULATION OF BEAMS - SITUATION 4
C

WITH THIS PROGRAM YOU CAN CALCULATE THE PRESSURE IN A AND B, DA AND DAL THAT IS THE MAXIMUM BENT DOWN MEASURE, Y AND Y1 THAT IS THE ELASTIC LINE EQUATION, V AND V1 ARE THE ANGLES, MBX AND MBB THAT IS THE BENDING MOMENT (YOU CAN CALCULATE THE BENDING MOMENT AT ANY X-VALUE AND ALSO AT THE POINT B)

00275 PGM LINES 018 DATA REGS
K MARCUS A STEEN
S - VRETSTORP

10457 CALCULATION OF BEAMS - SITUATION 5
C

WITH THIS PROGRAM YOU CAN CALCULATE THE PRESSURE IN A AND B, DA AND DAC THAT IS THE BENT DOWN MEASURE (MAX. AND AT THE POINT C), Y AND Y1 THAT IS THE ELASTIC LINE EQUATION, V THAT IS THE ANGLE, MBX, MBXL, MBB AND MBC THAT IS THE BENDING MOMENT (YOU CAN CALCULATE THE BENDING MOMENT AT ANY X-VALUE AND AT THE POINT B AND C). YOU CAN ALSO CALCULATE WHERE THE BENDING MOMENT IS ZERO (AT WHICH X-VALUE) AND ALSO AT WHICH X-VALUE DA IS MAX.

00433 PGM LINES 022 DATA REGS
K MARCUS A STEEN
S - VRETSTORP

10458 MEX
C

THIS IS A GAME AT DICE, YOU THROW THE 2 DICE UP TO THREE TIMES & YOU STOP WHEN YOU HAVE A NUMBER THAT YOU THINK TO BE HIGH ENOUGH TO BEAT THE HP-41C (THE VALUES FROM HIGH TO LOW ARE:21(MEX)66,55,44,33,22,11,65 64...).THEN HP-41C THROWS HIS DICE & STOPS WHEN HE THINKS HE CAN BEAT YOU!WHEN YOU START,EACH OF YOU HAS 6 POINTS & EVERYTIME SOMEONE LOSES, HIS SCORE DECREMENTED BY 1 (OY 2 IN CASE OF MEX).YOU LOSE WHEN YOUR SCORE IS 0.THE ONE WHO HAS WON THE GAME STARTS THROWING THE DICE.PROGRAM PROTECTED AGAINST ILLEGAL MOVES

00201 PGM LINES 010 DATA REGS
TON VROUWE
NL - EGMOND A/D HOEF

10459 FACTORIAL/GAMMA FUNCTION TO TO 10**97!
C

THE PROGRAM CALCULATES X! OR GAMMA(X+1). -69.3<=X<=10**97. IF X>69.5 A SPECIAL APPROXIMATE FORMULA IS USED WHICH NEEDS ONLY 4 SECONDS.FOR FRACTIONS BETWEEN -69.3 AND 69.5 A CHEBYSHEV POLYNOMIAL OF 7'TH DEGREE IS USED TO COMPUTE THE GAMMA FUNCTION WITH VERY HIGH PRECISION ALTHOUGH THE REQUIRED TIME IS LESS THAN 30 SECONDS AND THE ERROR IS ABOUT +-10**-9.

00181 PGM LINES 011 DATA REGS
MICHAEL FEHSE
D - RUESSELSHEIM

10460 SUPER WUMPUS
C

THERE ARE 25 CAVES EACH CONNECTED TO 4 OTHERS. HOW THEY ARE CONNECTED ITS RANDOM. THERE ARE 7 OCCUPIED CAVES: 3 WITH SUPER BATS, 2 WITH PITS, 1 WITH A WUMPUS, AND 1 WITH A HUNTER (YOU). THE OBJECT IS TO MOVE FROM CAVE TO CAVE, WATCHING THE WARNINGS TO SEE WHAT IS NEARBY, FIND THE WUMPUS AND SHOOT IT WITH AN ARROW.YOU MAY ONLY MOVE OR SHOOT INTO AN ADJACENT CAVE. REQUIRES AN ADDITIONAL MEMORY MODULE.

00282 PGM LINES 038 DATA REGS
TOPI LINKALA
SF - HELSINKI

10461 RHUMBLINES AND POSITIONS
C

FROM STARTING POINT ALONG ONE OR MORE RHUMBLINES THE OVER ALL COURSE AND DISTANCE SAILED IS COMPUTED TOGETHER WITH THE COORDINATES OF THE D.R. POSITION. COURSE AND DISTANCE TO A GIVEN FIX ARE COMPUTED.
THE PROGRAM CAN ALSO BE USED TO COMPUTE COURSE AND DISTANCE BETWEEN TWO POINTS. THE TWO PROGRAM PARTS ARE COMPLEMENTORY.

00216 PGM LINES 052 DATA REGS
W BRUNINGS
NL - BILTHOVEN

10462 SPEED UNITS CONVERTER
C

THIS PROGRAM MAKES ALL THE POSSIBLE CONVERSIONS BETWEEN THE FOLLOWING UNITS:KM/H,M/S,CM/S,FT/S,MI/H,KNOT (INT).
EXACTLY 30 CASES.

00043 PGM LINES 000 DATA REGS
ERIC DETHIOUX
B - NAMUR

10463 MASTERMIND CODE FINDER
C

THIS PROGRAM FINDS A CODE COMPOSED OF 4 BOXES AND 6 COLOURS USUALLY IN LESS THAN 10 TRIALS.

00389 PGM LINES 040 DATA REGS
DETHIOUX ERIC
B - NAMUR

10464 TBYFF
C

THIS PROGRAM COMPUTES THE EVEN AND ODD IMPEDANCES FOR A TSCHEBYSCHEFF-FILTER USING COUPLED LINES (STRIP-LINES OR MICROSTRIP)

00170 PGM LINES 021 DATA REGS
ULF HUELSENBUSCH ATE
D - MUNICH

10465 SLOTA
C

THIS PROGRAM COMPUTES THE PHYSICAL DIMENSIONS OF A SLOT-ARRAY ANTENNA

00063 PGM LINES 003 DATA REGS
ULF HUELSENBUSCH ATE
D - MUNICH

10466 BINOMIAL DISTRIBUTION AND COMBINATION ROUTINE
C

THIS PROGRAM CALCULATES THE SINGLE AND CUMULATIVE DENSITY OF THE BINOMIAL DISTRIBUTION. ALSO MOMENTS OF 1. AND 2. ORDER AND VARIANCE ARE CALCULATED. A USEFUL ROUTINE IS THE COMBINATION ROUTINE WHICH ALSO

10466 (CONTD)

HANDLES NUMBERS OVER 69.
PROGRAM FITS ONTO ONE CARD.

00133 PGM LINES 041 DATA REGS
PREBEN VAGN KNUDSEN
DK - GRASTEN

10467 ALGEBRAIC LOGIC FOR HP-41C
C

THIS PROGRAM ENABLES HP-41C TO OPERATE IN FULL ALGEBRAIC LOGIC, FOR PEOPLE UNACCUSTOMED WITH RPN. IT EXECUTES ALGEBRAIC OPERATIONS IN THEIR PROPER ORDER AND PROVIDES YOU WITH PRACTICALLY AN ENDLESS NUMBER OF PARENTHESEIS, DEPENDING ON THE MEMORY AVAILABLE. IT ALSO PROMPTS YOU FOR MISTAKES MADE IN THE ENTRY OF PARENTHESEIS, WITHOUT DESTROYING CALCULATIONS MADE TO THAT POINT, A MOST USEFUL FEATURE.

00101 PGM LINES 037 DATA REGS
POLYCHRONAKOS ALEXIOS
GR - ATHENS

10468 CIRCLE
C

THIS PROGRAM NEEDS THREE NONCOLINEAR POINTS TO FIND THE CENTER AND THE RADIUS OF THE CIRCLE THUS GENERATED.

00131 PGM LINES 033 DATA REGS
KEMAL ESEN
D - COLOGNE

10469 INTER 1
C

GIVEN STRAIGHTS DEFINITE WITH THE FOLLOWING FORMULA:
(AM+B)X+A'M+B'=Y, WHERE M IS A PARAMETER, AND A,B,A',B' ARE CHOSEN BY THE USER, AND GIVEN A FUNCTION F, THAT PROGRAM CALCULATES THE VALUE OF M SO THAT THERE IS AN INTERSECTION BETWEEN A STRAIGHT AND THE GRAPHIC OF F AT ONE CHOSEN POINT. YOU CAN CHOOSE A LOT OF POINTS AT EACH TIME, BEING ONLY LIMITED BY THE NUMBER OF REGISTERS.

00092 PGM LINES 008 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10470 INTER 2
C

THIS PROGRAM IS A DIFFERENT READING OF PROGRAM INTER 1, 10469C. GIVEN 2 HEAPS OF STRAIGHTS DEFINITE WITH THE FOLLOWING FORMULA:
(AM+B)X+A'M+B'=Y, WHERE M IS A PARAMETER AND A,B,A' AND B' ARE CHOSEN BY THE USER, THIS PROGRAM CALCULATES THE VALUE OF M (AND SO DETERMINES ENTIRELY TWO STRAIGHTS (ONE OF THE FIRST AND ONE OF THE SECOND HEAP) AT ONE CHOSEN POINT. YOU CAN CHOOSE LOTS OF POINTS AT EACH TIME.

00113 PGM LINES 012 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10471 TRANS I
C

GIVEN UP TO 3 TRANSLATIONS OR HOMOTHETIES, CHARACTERIZED BY THEIR TRANSLATION VECTOR OR BY THEIR CENTER AND RATIO, THIS PROGRAM CALCULATES THE COMPOUND APPLICATION, TELLS YOU WHETHER THAT IS A TRANSLATION OR AN HOMOTHETHY, AND GIVES ITS TRANSLATION VECTOR, OR ITS CENTER AND ITS RATIO. THIS PROGRAM USES A SPECIAL "OPERATIONAL PILE".

00298 PGM LINES 031 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10472 TRANS II
C

GIVEN UP TO 4 TRANSLATIONS OR HOMOTHETIES, CHARACTERIZED BY THEIR

10472 (CONTD)

TRANSLATION VECTOR OR BY THEIR CENTER AND RATIO, THIS PROGRAM CALCULATES THE COMPOUND APPLICATION, TELLS YOU WHETHER THAT IS A TRANSLATION OR AN HOMOTHETY, AND GIVES YOU ITS TRANSLATION VECTOR, OR ITS CENTER COORDINATES AND ITS RATIO. THIS PROGRAM NEEDS THE PROGRAM TRANS I, 10471C, TO CALCULATE AND RESOLVE THOSE PROBLEMS.

00109 PGM LINES 031 DATA REGS
THIERRY JEAN PHILIPPE HUMBERT
F - PUYRICARD

10473 FREQUENCY RESPONSE OF A TRANSFER FUNCTION
C

COMPUTES MAGNITUDE AND PHASE FOR A COMMON TRANSFER FUNCTION 1 MEMORY MODULE: N+M<58

00208 PGM LINES 050 DATA REGS
B G WORTELBOER
NL L- AERDENHOUT

10474 STO/RCL DOUBLE REGISTER
C

WITH THIS PROGRAM ALL YOUR REGISTER IS DOUBLE AND YOU CAN STO/RCL THEM WITH 3 DIGIT NUMBRS. THE PROGRAM IS VERY POWERFULL. IN OTHER PROGRAM, YOU CAN XEQ THIS PROGRAM AND IT WILL RETURN AFTER OPERATION. THE PROGRAM ONLY USES THE STACK, AND ONLY 87 BYTES
(13 RIGISTER OF MEMORY)

00048 PGM LINES 000 DATA REGS
JAN LAUENBORG
DK - NYBORG

10475 STO/RCL DOUBLE REGISTER AS DIRECTED BY X (SDX/WDX)
C

THIS PROGRAM WORKS LIKE RDTAX OR WDTAX. YOU CAN STO/RCL AS DIRECTED BY X. IT IS POWERFUL,BECAUSE ALL REGISTER IS DOUBLE LIKE 1,00 - 2,00 1,01 - 2,01 --- THE PROGRAM IS MOST POWERFUL IN MANUAL OPERATION. YOU CAN STORE A LOT OF INFORMATION IN A MINIMUM OF PLACE,AND RCL THEM AGAIN IN A VERY EASY OPERATION.IF PRINTER IS CONNECTED, YOU GET A PRINT LIKE THE NORMAL WHEN YOU PRREG. PROGRAM WORKS PERFECTLY WITHOUT PRINTER. PROGRAM USES 181 BYTES, OR 26 REGISTER OF MEMORY.

00078 PGM LINES 000 DATA REGS
JAN LAUENBORG
DK - NYBORG

10476 INTRAVENOUS DRUG-CALCULATION
C

COMPUTES ONE OF THE MOST ESSENTIAL PARTS OF ANY IV DRUG-THERAPY: THE FLOW/MIN.,THE TOTAL DRUG-AMOUNT ,THE VOLUME OF THE BAXTER, THE AMOUNT OF DRUGS GIVEN PRO MIN. AND PRO KG. BODYWEIGHT. IT EXPRESSES FLOW EITHER IN ML./MIN. OR IN DROPS/MIN.

00082 PGM LINES 007 DATA REGS
DR L WEYNE
B - KORTRIJK

10477 EXPOSURE CALCULATION FOR RINGLIGHT UNIT SR-2 (NIKON)
C

ASKING FOR THE LIGHT OUTPUT OF THE SR-2 AND THE SPEED OF THE FILM THE PROGRAM COMPUTES THE CORRECT F-STOP BETWEEN F/1,4 AND F/32 FOR ANY DISTANCE, ANY LIGHT-OUTPUT AND ANY FILM-SPEED.

00122 PGM LINES 003 DATA REGS
DR L WEYNE
B - KORTRIJK

10478 THE GHOSH METHOD FOR THE APPARENT RESISTIVITY OF MULTILAYERED EARTH
C

THIS PROGRAM CALCULATES THE

10478 (CONTD)

APPARENT RESISTIVITY OF A MULTI-LAYERED EARTH ACCORDING TO THE GHOSH METHOD. THE APPARENT RESISTIVITY IS COMPUTED FOR ELECTRODE SEPARATIONS OF APPR 1 M TO 1000 M AT A SAMPLING RATE OF THREE PER DECADE. THE PROGRAM ALSO YIELDS THE ACTUAL ELECTRODE SEPARATIONS.

00235 PGM LINES 028 DATA REGS
STEFAN ELF
S - LULEA

10479 "SF" SEGER FORMULA OR MOLECULAR FORMULA OF CERAMIC GLAZES
C

THIS PROGRAM ENABLES THE OPERATOR TO OBTAIN THE SEGER FORMULA OR MOLECULAR FORMULA OF CERAMIC GLAZES STARTING FROM THE PERCENTUAL COMPOSITION OF THE OXIDES IN THE SAME GLAZES.

00151 PGM LINES 047 DATA REGS
GAETANO CISI
I - SASSUOLO

10480 JACKPOT
C

THIS PROGAM SIMULATES A THREE DISK JACKPOT, WITH REAL-LIFE SPECIFICATIONS: DISK, CREDITS AND BONUS. POINTS DISPLAYED; POSSIBILITY TO HOLD ONE OR MORE DISKS AND CANCEL HOLD; JOKERS; SOUND SIGNALS; ONLY HIGHEST WINNER PAID.

00200 PGM LINES 006 DATA REGS
WKF VAN DER WINDT
NL - HOOFDDORP

10481 CONVERSION FROM DECIMAL NUMBERS TO DIVISIONS OF TWO INTEGERS
C

THIS PROGRAM CONVERTS, IF POSSIBLE, A DECIMAL NUMBER INTO A DIVISION OF TWO INTEGERS.

00030 PGM LINES 009 DATA REGS
HENK SCHELLEN
NL - ROERMOND

10482 DETERMINANTS (UP TO 8X8) OR ALL PERMUTATIONS OF N DIGITS (N UP TO9)
C

THIS RATHER SHORT STEPPED BUT SLOW PROGRAM USES THE DEFINITION OF A DETERMINANT AS A POLYNOMIAL. THE PRINCIPAL ROUTINE CLASSIFIES IN GROWING ORDER ALL THE PERMUTATION OF N DIGITS. THERE ARE TWO POSSIBLE OUTPUTS; EITHER COMPUTE A DETERMINANT, OR DISPLAY (OR PRINT) ALL THE PERMUTATION WITH THEIR SIGNATURE.
ONE MEMORY MODULE IS NEEDED.

00170 PGM LINES 077 DATA REGS
PHILIPPE LAMALLE
B - HUY

10483 INVERSE OF A N*N-MATRIX (REAL)
C

PROGRAM CALCULATES THE INVERSE OF A REAL N*N-MATRIX BY GAUSSIAN. EACH ELEMENT MUST BE INPUT ONCE.ALL INPUT AND OUTPUT IS MADE BY THE SAME SUBROUTINE, WHICH TELLS WHICH ELEMENT IS IN TURN IN THE FOLLOWING WAY: (M,N)=IN INPUT OF A MATRIX (M ROW NUMBER, N COLUMN NUMBER) (M,1)=IN INPUT OF A COLUMN VECTOR (M,1)=AM1 IN OUTPUT OF A COLUMN VECTOR - (M,N)=AMN IN OUTPUT OF A MATRIX / THE INVERSE CAN BE MULTIPLIED WITH A COLUMN VECTOR BY PRESSING D IN USER MODE AS MANY TIMES AS WANTED.

00315 PGM LINES 011 DATA REGS
PAIVIO POLLARI
SF - KOKKOLA

10485 TABLE FOR 1 OR 2 PARAMETERS WITH MEAN AND DEVIATION
C

TAB PRINTS A TABLE FOR ONE OR TWO

10485 (CONTD)

PARAMETERS, WITH TITLE COMPUTES AND
PRINTS MEAN AND DEVIATION. BOTH
ROUNDED, THE DEVIATION TO ONE DIGIT
THE MEAN AS EXACT AS THE DEVIATION.
TAB CONTAINS AB SUBROUTINE, CALLED
"EXP", WHICH COMPUTES THE EXPONENT
"E" OF X*10**E.
*) A CHANGED VERSION OF TAB DOES
NOT NEED ANY MEMORY-MODULS

00186 PGM LINES 025 DATA REGS
HENDRIK WOELPER
D - CLAUSTHAL-ZELLERFELD

10486 REGISTER REVIEW RRV
C

THIS PROGRAMME ENABLES FAST VIEWING
AND EDITING OF DATA IN DATA REGIS-
TERS. AT ANY TIME DURING VIEWING
AND, WITH CARE, DURING EDITING, THE
PREVIOUS CONTENTS OF THE STACK CAN
BE FULLY RESTORED.

00068 PGM LINES 001 DATA REGS
JOHN HARTLAND
UK - SALTASH

10487 NUMERATION - CHANGE OF BASE
C

THIS PROGRAM CONVERTS A REAL NUMBER
INTEGER OR NO, IN VARIOUS SYSTEMS
OF NUMERATION, BASES BETWEEN 2 & 16
BASE 10 - BASE A 20 SEC MAX.
BASE A - BASE 10 2 MN MAX
BASE A - BASE B 2 MN 30 SEC MAX
MAXIMUM TIMES TO 24 CHARACTERS
ALPHA

00347 PGM LINES 123 DATA REGS
EDMOND GRAND
F - VENDARGUES

10488 LOW FREQUENCY INDUCTANCE OF SOLENOIDAL COILS "LFI/H"
C

PROGRAM CALCULATES THE LOW FREQUEN-
CY INDUCTANCE OF MULTIPLE LAYER
SOLENOIDAL COILS STARTING FROM
GEOMETRICAL COIL'S DATA AND FACTORS
IN LINE WITH A NAGAOKA'S FORMULA
REARRANGEMENT.

00067 PGM LINES 007 DATA REGS
CISI GAETANO
I - SASSUOLO

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ANWENDUNGS-VERZEICHNIS

LISTE PAR APPLICATION

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PROGRAM ABSTRACT

KURZBESCHREIBUNG

PRÉSENTATION INDIVIDUELLE

COMPENDIO

PROGRAM ABSTRACTS

20001 TIL
C

DAS PROGRAMM BERECHNET SOWOHL DIE INNERHALB EINER VORGEGEBENEN ZEIT-SPANNE INSGESAMT GEZAHLTEN ZINSEN ALS AUCH DIE VERBLEIBENDE REST-SCHULD AM ENDE DIESES ABSCHNITTES. DER ZEITABSCHNITT WIRD IN FORM DER LAUFENDEN NUMMER DER ERSTEN UND LETZTEN ZAHLUNG INNERHALB DIESES ZEITRAUMES ANGEGEBEN. DIE ANNUITAE-TEN VERSTEHEN SICH DABEI ALS NACH-SCHUESSIGE ZAHLUNGEN.

00229 PGM LINES 009 DATA REGS
DIETER SCHUPPAN
D - KONZ

20002 VIB
C

BIESES PROGRAMMM BERECHNET DIE AMPLITUDE, DEN BESCHLEUNIGUNGSFAK-TOR, DIE THEORETISCHE FOERDERGE-SCHWINDIGKEIT UND DIE VOLUMOESE FOERDERLEISTUNG EINES SCHWINGFOER-DERERS MIT UNWUCHTANTRIEB.

00110 PGM LINES 031 DATA REGS
MANFRED POST
D - KIRKEL

20003 LEISTUNGSMESSUNG MIT ZAEHLER (ELEKTROTECHNIK) ESE 08 KW
C

DAS PROGRAMM GESTATTET DIE MESSUNG DER ELEKTRISCHEN LEISTUNG DURCH STOPPEN DER LAEUFERUMDREHUNGEN EI-NES ZAEHLERS. DIE KONSTANTEN VON 2 ZAEHLERN (BLINDARBEIT UND WIRKAR-BEIT) UND VON STROM- UND SPANNUNGS-WANDLERN KOENNEN EINGEGEBEN WERDEN. ZUR MESSUNG DER ZEIT IST IM PRO-GRAMM EINE SOFTWARE-STOPPUHR INTE-GRIERT.

00095 PGM LINES 006 DATA REGS
WALTER KROPF
A - LEOBEN

20004 LOESUNG DER KUBISCHEN GLEICHUNG
C

MIT DIESEM PROGRAMM KOENNEN NACH EINGABE DER 4 KOEFFIZIENTEN DIE RE-ELLEN UND KOMPLEXEN LOESUNGEN DER KUBISCHEN GEICHUNG AX**3+BX**2+CX+D=0 ANALYTISCH BE-RECHNET WERDEN.AUSSERDEM LASSN SICH DIE DREI LOESUNGEN DER DRITTEN WUR-ZEL MIT EINER VEREINFACHTEN EINGABE ERMITTELN.

00197 PGM LINES 008 DATA REGS
WOLFGANG JUNGNICKEL
D - BRAUNSCHWEIG

20005 BIORHYTHMUS UND KOINZIDENZ
C

DIESES PROGRAMM BERECHNET DEN KOER-PERLICHEN, GEISTIGEN UND SEELICHEN BIORHYTHMUS NACH EINGABE VON GE-BURTSDATUM UND GEWUENSCHTEM 2. TAG. DESWEITEREN KANN NACH EINGABE VON GEBURTSDATUM UND 2. TAG DIE NAECHSTE KOINZIDENZ DER EINZELNEN BIORHYTHMEN (Z.B. KOERPER-GEIST) IM ANFANG, IM MAXIMUM, IN DER MITTE UND IM MINIMUM DER PERIODE BERECH-NET WERDEN.

00348 PGM LINES 118 DATA REGS
MANFRED POST
D - KIRKEL

20006 NIMM - SPIEL
C

DER RECHNER GIBT EINE ZAHL VOR, DEREN OBERE SCHRANKE (MAX.ZAHL) VOM SPIELER VORGEGEBEN WERDEN KANN. JETZT ZIEHEN RECHNER UND SPIELER ABWECHSELND 1/2 ODER 3 VON DIESER ZAHL AB. DER SPIELER BEGINNT IMMER MIT ABZIEHEN. SOBALD ES FUER DEN SPIELER NICHT MEHR MOEGLICH IST ZU GEWINNEN, ERSCHEINT "VERLOREN". FALLS DER SPIELER GEWINNT, WIRD "GRATULIERE" ANGEZEIGT.

00079 PGM LINES 031 DATA REGS
HUBERT LANGENER
D - KOELN

20007 DATEN SORTIEREN
C

ANZAHL DER BENOETIGTEN DATEN-SPEICHER = ANZAHL DATEN + 1

00079 PGM LINES 000 DATA REGS
WALTER KROPF
A - LEOBEN

20008 STANDORTBESTIMMUNG IM GELAENDE
C

EIN PROGRAMM FUER WANDERER & BERG-STEIGER! ES GESTATTET DIE BESTIM-MUNG DES EIGENEN STANDORTES ODER EINES FERNZIELES MIT KARTE & BUSS-OLE OHNE DIE NOTWENDIGKEIT,DIE KAR-TE FLACH AUSZUBREITEN, ODER GAR EI-NE VISIERLINIE UEBER MEHRERE KAR-TENBLAETTER HINWEG LEGEN ZU MUESSEN . BEI BENUETZUNG VON HOEHENMESSER & KOMPASS MIT PENDEL KANN DER EIGENE STANDORT AUCH AUS RICHTUNG UND HOE-HENDIFFERENZ ERMITTELT WERDEN. DAS PROGRAMM IST ABGESTIMMT AUF DIE BLATTEILUNG DER OESTERREICHISCHEN KARTE 1:50.000 ...

00209 PGM LINES 012 DATA REGS
WALTER KROPF
A - LEOBEN

20009 2-PARAMETER-SIMPLEX
C

DAS PROGRAMM PASST MAXIMAL 20 WER-TEPAARE (X,Y) AN EINE BELIEBIGE FUNKTION Y=F(X) MIT 2 PARAMETERN A & B AN. DER VORTEIL DIESES PROGRAM-MES BESTEHT DARIN, DASS DIE ANPAS-SUNG AN JEDE REELLE FUNKTION ERFOL-GEN KANN, WENN DIESE DIE WERTEPAARE SINNVOLL BESCHREIBT.ES HANDELT SICH DABEI UM EIN ITERATIVES VERFAHREN, DAS DIE PARAMETER A UND B SO VER-AENDERT, DASS SICH NACH UND NACH EINE IMMER BESSERE ANPASSUNG ER-GIBT. DER AKTUELLE STAND DER ANPAS-SUNG WIRD WAEHREND DES PROGRAMM-LAUFS JEWEILS ANGEZEIGT.

00221 PGM LINES 116 DATA REGS
MARC RAMDOHR
D - BOCHUM

20010 BODE-DIAGRAMM (BIS 156 ORDNUNG; N+M<=156)
C

BERECHNET UND PLOTTET DAS BODE-DIA-GRAMM EINER UEBERTRAGUNGSFUNKTION G(JW). AUS DEN BERECHNETEN WERTEN KANN FERNER DIE ORTSKURVE ERSTELLT WERDEN.
DIE ORDNUNG N+M BETRAEGT:
1XMEMORY 0<=28, 2XMEMORY 0<=92,
3XMEMORY 0<=156

00313 PGM LINES 020 DATA REGS
GERHARD KOCKERBECK
D - DORTMUND

20011 STATISTIK-GRUNDPROGRAMM
C

ERGAENZUNGS-PROGRAMM ZU DEN BEREITS FESTVERDRAHTETEN STATISTIK-FUNKTIO-NEN: MEAN=MITTELWERT, SOWIE SDEV= STANDARDABWEICHUNG. DAMIT KOENNEN ZUSAETZLICH FOLGENDE BERECHNUNGEN DURCHGEFUEHRT WERDEN
LR= LINEARE REGRESSION
Y = LINEARER SCHAETZWERT FUER Y
X = LINEARER SCHAETZWERT FUER X
R= KORRELATIONSKOEFFIZIENT
STATT WERTEPAAREN KOENNEN EBENSO DIE WERTE VON STEIGUNG UND Y-ABSCHNITT EINER FUNKTION EINGEGE-BEN WERDEN.

00132 PGM LINES 031 DATA REGS
MICHAEL PFANNSCHMIDT
D - SCHWABMUENCHEN

20012 FAMILIENARCHIV - AUSDRUCK UND VER-GLEICH ALLER DATEN DER AHNENTAFEL
C

DAS PROGRAMM ERLAUBT AUSDRUCK UND VERGLEICH ALLER DATEN DER AHNEN-TAFEL FUER EINEN PROBANDEN. AUSGE-DRUCKT WERDEN NAMEN, VORNAMEN, GEBURTS-, TAUF-, HEIRATS-, STERBE-

20012 (CONTD)

UND BEGRABNISDATUM. ES KOENNEN HEIRATS- UND STERBEALTER BELIEBIGER AHNENREIHEN GEPLOTTET WERDEN.EBENSO DIE DURCHSCHNITTSALTER. DIE AHNEN-FOLGE ZUM PROBANDEN (MIT AHNEN-GESCHLECHT) KANN BERECHNET WERDEN.

00305 PGM LINES 018 DATA REGS
FRITZ HOERMANN
D - HANNOVER

20013 DREIECKS BERECHNUNGEN
C

MIT HILFE DREIER BESTIMMUNGSSTUECKE (SEITEN, WINKELN) WERDEN DIE REST-LICHEN GROESSEN EINES ALLGEMEINEN DREIECKS INKLUSIVE FLAECHE & UM-KREISRADIUS BERECHNET. ZUR BERECH-NUNG WIRD DER SINUS- & COSIMUSSATZ VERWENDET.
DIE EINGABE ERFOLGT IN GRAD!
SIND MEHR ALS EINE LOESUNG MOEGLICH SO WIRD AUCH DIESE BERECHNET.

00247 PGM LINES 008 DATA REGS
BERNHARD BAIER
A - GRAZ

20014 KOMBINIERTES SORTIERPROGRAMM
C

MIT DIESEM PROGRAMM KANN MAN ENT-WEDER DATEN DIE UEBER DAS TASTEN-FELD EINGEGEBEN WERDEN/DATEN DIE VON EINER MAGNETKARTE GELESEN WER-DEN,SORTIEREN! MAN KANN DIESE DATEN ANZEIGEN,EINZELNE DATEN ENTFERNEN & AUCH WIEDER AUF EINE MAGNETKARTE AUSGEBEN. A)SORTIERT DATEN DIE UE-BER DAS TASTENFELD EINGEGEN WERDEN IN EINEN VOM BENUTZER FESTZULEGEN-DEN BEREICH EIN.B)SORTIERT DATEN, DIE DURCH DAS PROGRAMM VON EINER MAGNETKARTE EINGELESEN WERDEN C)ENTFERNT EINE BESTIMMTE ZAHL AUS DEM SORTIERSPEICHER D)... E) ...

00122 PGM LINES 000 DATA REGS
BERNHARD ANDRICH
A - PUCH

20015 KLEINKREDIT (KK) MIT (KKK) ALS UNTERPROGRAMM
C

PROGRAMM BERECHNET MONATLICHE BELASTUNG FUER EINEN RATENKREDIT UND MONATLICHE BELASTUNGEN FUER UM JE UM 1000.-, REDUZIERT KREDITBE-TRAEGE BIS 20% DES URSPRUENGLICHEN KREDITBETRAGES ZUR BESTIMMUNG DER KREDITHOEHE BEI INDIVIDUELL OPTIMA-LER BELASTUNG, UND STELLT DIE MTL. BELASTUNGEN (AUF WUNSCH) GRAPHISCH DAR.

00079 PGM LINES 016 DATA REGS
MANFRED RIETZLER
D - HAMBURG

20016 MASTER MIND (MM)
C

MIT DIESEM PROGRAMM KANN MAN SEIN KOMBINATIONSVERMOEGEN TESTEN. ES KOENNEN ZAHLEN MIT 3-6 STELLEN ERRATEN WERDEN. DIE ZAHLEN WERDEN MIT EINEM ZUFALLSGENERATOR ERMIT-TELT UND ABGESPEICHERT. NACH EIN-GABE EINER GERATENEN ZAHL WIRD DIE ANZAHL DER RICHTIGEN UND AUF DEM RICHTIGEN PLATZ SITZENDEN ZIFFERN ANGEZEIGT.

00274 PGM LINES 090 DATA REGS
MANFRED POST
D - KIRKEL

20017 RISIKO
C

DER RECHNER GIBT EINE ZAHL (ZIEL) VOR, DIE ES ZU ERREICHEN GILT. NUN KANN MAN VON 0 (SF 00) ODER VON EINER ANFANGSZAHL (CF 00) VERSUCHEN DIESES ZIEL ZU ERREICHEN, INDEM MAN 1/2 ODER 3 ZU 0 BZW DER ANFANGSZAHL DAZUZAEHLT. DER RECHNER VERSUCHT EBENFALLS DIESES ZIEL ZU ERREICHEN (ES WIRD IMMER ABWECHSELND DAZUAD-DIERT). VORSICHT, BEI UNGEEIGNETER EINGABE IST DAS SPIEL VERLOREN.

20017 (CONTD)

FALLS DER SPIELER GEGEN DEN RECHNER GEWINNEN SOLLTE, WIRD DAS MIT "GRATULIERE" ANGEZEIGT.

00104 PGM LINES 035 DATA REGS
HUBERT LANGENER
D - KOELN

20018 MONDLANDUNGSSIMULATION
C

BEI DIESEM PROGRAMM WIRD DIE AUFGABE SIMULIERT, EIN RAUMFAHRZEUG AUS EINER SELBSTBESTIMMBAREN HOEHE UND GESCHWINDIGKEIT UEBER EINEN ANGENOMMENEN FREMDEN PLANETEN DURCH GESCHICKTES BREMSEN MIT DEN TRIEBWERKEN WEICH ZU LANDEN. DABEI IST DIE DAUER (ZEIT) DER BREMS- UND FREIFALLINTERVALLE VON ENTSCHEIDENDER BEDEUTUNG. BEI GEGLUECKTER LANDUNG WIRD DER PROZENTUALE UNTERSCHIED ZWISCHEN OPTIMALEN UND TATSAECHLICHEN TREIBSTOFFVERBRAUCH ANGEZEIGT. EIN WERT UNTER 5% IST SCHON ZIEMLICH GUT.

00104 PGM LINES 028 DATA REGS
HUBERT LANGENER
D - KOELN

20019 NAEHERUNGSWEISE BERECHNUNG DER KREISZAHL PI
C

DIESES PROGRAMM NAEHERT SICH UEBER DIE BERECHNUNG EINES INNERHALB UND AUSSERHALB UM EINEN KREIS GELEGTES VIELECK DER KREISZAHL PI.

00055 PGM LINES 020 DATA REGS
HUBERT LANGENER
D - KOELN

20020 FUNKTIONSWERTE
C

DIESES PROGRAMM BERECHNET FUNKTIONSWERTE ZU EINER FUNKTION, WOBEI EIN ANFANGSWERT, ENDWERT UND EINE SCHRITTWEITE DELTA EINGEGEBEN WERDEN. DIE AENDERUNG DIESER WERTE WAEHREND DER ANWENDUNG IST MOEGLICH

00051 PGM LINES 019 DATA REGS
THOMAS KELLNER
D - DORSTEN

20021 AUFLAGER
C

DIESES PROGRAMM BERECHNET DIE AUFLAGERREAKTIONEN EINES TRAEGERS AUF 2 STUETZEN ODER DIE EINSPANNREAKTIONEN EINES KRAGBALKENS BEI EINER BELIEBIGEN ANZAHL ANGREIFENDER EINZELKRAEFTE.

00108 PGM LINES 043 DATA REGS
THOMAS KELLNER
D - DORSTEN

20022 BIG ROULETTE
C

DIESES PROGRAMM ERLAUBT ES,ROULETTE MIT EINER ODER MEHREREN PERSONEN ZU SPIELEN, WOBEI AUF ROT, SCHWARZ, GERADE-,UNGERADE ZAHLEN, 1. HAELFTE (ZAHLEN 1-18), 2. HAELFTE (ZAHLEN 19-36), 1. DUTZEND, 2. DUTZEND UND AUF BIS ZU 4 EINZELZAHLEN GESETZT WERDEN KANN. BEI MEHR ALS EINEM SPIELER IST UNBEDINGT EIN MAGNETKARTENLESER ERFORDERLICH.
DIE ABRECHNUNG ERFOLGT VOLLAUTOMATISCH. ES SIND UNBEDINGT 3 MEMORY MODULES ERFORDERLICH.

00525 PGM LINES 253 DATA REGS
THOMAS KELLNER
D - DORSTEN

20023 RENTEN- UND ZINSRECHNUNG, TILGUNGSPLAN
C

DAS PROGRAMM IST EINE ERWEITERUNG DES HP-41 STANDARDPROGRAMMES "FINANZTECHNISCHE BERECHNUNGEN".ZUSAETZLICH ZU DEN DORT ANGEFUEHRTEN BERECHNUNGEN KANN DER ZINSANTEIL UND DIE RESTSCHULD FUER BELIEBIGE

20023 (CONTD)

ZINSPERIODEN BERECHNET WERDEN, EIN TILGUNGSPLAN FUER EINE VORWAEHLBARE ANZAHL VON ZINSPERIODEN KANN EBENFALLS ERSTELLT WERDEN. DAS PROGRAMM IST SO ERSTELLT, DASS DIE AUSGABE MIT ODER OHNE DRUKCER JEWEILS OPTIMAL ERFOLGT.
ES IST DIE BERECHNUNG VON VORSCHUESSIGEN ZAHLUNGEN.

00408 PGM LINES 014 DATA REGS
WALTER KROPF
A - LEOBEN

20024 PERSOENLICHES KASSABUCH
C

DAS PROGRAMM VERWALTET EIN GIROKONTO UND DIE BARKASSA. EINNAHMEN, AUSGABEN, TRANSAKTIONEN SOWIE EINLAGEN AUF EIN SPARKONTO WERDEN FESTGEHALTEN. DER KONTOSTAND KANN JEDERZEIT ABGEFRAGT WERDEN. AM MONATSENDE WERDEN DIE AUF DEN EINZELNEN KONTEN AUFSUMMIERTEN BETRAEGE AUSGEDRUCKT, DER NEUE UEBERTRAG ERRECHNET UND DIE EINZELNEN SPEICHER FUER EINE NEUE VERRECHNUNGSPERIODE VORBEREITET.

00156 PGM LINES 012 DATA REGS
WALTER KROPF
A - LEOBEN

20025 DISKRETE FOURIER-TRANSFORMATION
C

PROGRAMM BERECHNET AUS EINER ANZAHL VON ABTASTWERTEN EINER HARMONISCHEN FUNKTION DIE FREQUENZKOMPONENTEN.
DIE ANZAHL DER ABTASTWERTE IST NUR DURCH DEN SPEICHERRAUM BEGRENZT,DIE ANZAHL DER FREQUENZKOMPONENTEN IST BELIEBIG. DIE ABTASTWERTE WERDEN AM BEGINN FORTLAUFEND EINGEGEBEN, DIE DURCHFUEHRUNG DER TRANSFORMATION ERFOLGT DANN AUTOMATISCH.DAS RESULTAT KANN IN RECHTWINKLIGER ODER POLARER FORM AUSGEGEBEN WERDEN. BEI POLARER AUSGABE KOENNEN DIE OBERWELLEN IN % DER GRUNDWELLE AUSGEGEBEN WERDEN.

00249 PGM LINES 000 DATA REGS
KROPF WALTER
A - LEOBEN

20026 INVERSE FOURIER-TRANSFORMATION
C

DAS PROGRAMM BERECHNET AUS EINER ANZAHL VON FREQUENZKOMPONENTEN DIE HARMONISCHE FUNKTION. DIE FOURIERKOEFFIZIENTEN KOENNEN IN POLARER ODER RECHTWINKLIGER FORM VORLIEGEN.
BEI VERWENDUNG DES PRINTERS KANN DIE SUMMENFUNKTION AUCH ALS DIAGRAMM DARGESTELLT WERDEN.
DAS PROGRAMM STELLT DIE ERGAENZUNG ZUM PROGRAMM "DISKRETE FOURIER-TRANSFORMATION" DAR.

00199 PGM LINES 000 DATA REGS
WALTER KROPF
A - LEOBEN

20027 FEIERTAGSBERECHNUNG
C

DIESES PROGRAMM BERECHNET DIE BEWEGLICHEN FEIERTAGE OSTERN, ASCHERMITWOCH, HIMMELFAHRT, PFINGSTEN, FRONLEICHNAM FUER EIN BELIEBIGES JAHR VON 1900 BIS 2099.

00121 PGM LINES 032 DATA REGS
OLIVER RIETSCHEL
D - EUTIN

20028 KREISBERECHNUNG "KREIS"
C

MIT DIESEM PROGRAMM KANN MAN 14 VERSCHIEDENE MIT DEM KREIS ZUSAMMENHAENGENDE FORMELN BERECHNEN.
DIESE FORMELN BEZIEHEN SICH AUF FOLGENDE GEBIETE: FLAECHENBERECHNUNG,LINIENBERECHNUNG,SCHWERPUNKTSBERECHNUNG, TRAEGHEITSMOMENT UND WIDERSTANDSMOMENTBERECNUNG.

00198 PGM LINES 052 DATA REGS
MANFRED POST

20028 (CONTD)

D - KIRKEL

20029 DAS SCHLUPFLOCHSPIEL
C

ES HANDELT SICH HIERBEI UM EIN LUSTIGES SPIEL FUER EINEN SPIELER, DA GRUNDSAETZLICH GEGEN DEN RECHNER GESPIELT WIRD.
ES GILT DURCH GESCHICKTES VERSTEKKEN DES EIGENEN SPIELERS UND BESCHIESSEN DER GEGNERISCHEN SPIELFIGUR DEN RECHNER ZU SCHLAGEN.
DIE DAUER DES SPIELES LAESST SICH MIT HILFE DER FLAGS REGELN. ES ENTHAELT EINEN ZUFALLSZAHLENGENERATOR UND IST DURCH SEINE STARKE ALPHANUMERISCHE AUSLEGUNG SEHR BEDIENUNGSFREUNDLICH.

00162 PGM LINES 063 DATA REGS
OLIVER RIETSCHLE
D - EUTIN

20030 NATUERLICHE TEILER BZW PRIMZAHLENBESTIMMUNG
C

DAS PROGRAMM BERECHNET DIE NATUERLICHEN TEILER BZW ERKENNT DASS EINE VORLIEGT.

00072 PGM LINES 004 DATA REGS
GUENTER RUESSL JUN
A - LEIBNITZ

20031 DIFF 1-4
C

DIESES PROGRAMM BERECHNET DIE 1 BIS 4 ABLEITUNG EINER FUNKTION AN EINER STELLE X. FUER DIESES PROGRAMM IST MINDESTENS 1 ERWEITERUNGS-MODULE ERFORDERLICH.
AUSSERDEM BERECHNET DAS PROGRAMM DEN FUNKTIONSWERT AN DER STELLE X.

00254 PGM LINES 065 DATA REGS
THOMAS KELLNER
D - DORSTEN

20032 ELEKTRONENANORDNUNG BEI DEN ELEMENTEN
C

DIESES PROGRAMM ERRECHNET NACH VORGABE DER ORDNUNGSZAHL EINES ELEMENTES DESSEN ELEKTRONENBESETZUNG FUER DIE EINZELNEN SCHALEN.

00187 PGM LINES 053 DATA REGS
HANS-JOACHIM ERMEN
D - RATINGEN

20033 W-RATEN
C

MIT DIESEM PROGRAMM KOENNEN WORTE MIT BIS ZU 12 BUCHSTABEN UND/ODER ZEICHEN GERATEN WERDEN.

00162 PGM LINES 054 DATA REGS
MANFRED MICKOTEIT
D - KOBLENZ

20034 GGT & KGV
C

DAS PROGRAMM BERECHNET DEN GROESSTEN GEMEINSAMEN TEILER ODER DAS KLEINSTE GEMEINSAME VIELFACHE ZWEIER IN DEN X UND Y REGISTERN STEHENDER ZAHLEN. DER PROGRAMMTEIL KGV BENOETIGT EIN REGISTER ZUR ZWISCHENSPEICHERUNG.

00018 PGM LINES 007 DATA REGS
OLIVER RIETSCHLE
D - EUTIN

20035 NACHKOMMASTELLEN
C

DAS PROGRAMM BERECHNET DAS ERGEBNIS EINER DIVISION AUF BELIEBIG VIELE NACHKOMMASTELLEN GENAU.

00047 PGM LINES 016 DATA REGS
OLIVER RIETSCHEL
D - EUTIN

20036 NAVAL BATTLE

PROGRAM ABSTRACTS

20036 (CONTD)

SIE BEFINDEN SICH IM MITTELPUNKT EINES KREISES.DER RECHNER VERSTECKT EIN U-BOOT AUF DEM RAND DES KREISES DAS SICH SCHRITTWEISE AUF SIE ZU-BEWEGT. IHRE AUFGABE IST ES, DEN STANDORT DES U-BOOTES ZU ERMITTELN UND DIESES ZU VERSENKEN.

00120 PGM LINES 000 DATA REGS
HANS-JUERGEN FRENZEL
D - BAD HOMBURG

20037 BINOMISCHER SATZ
C

MIT DIESEM PROGRAMM KOENNEN SIE MIT HILFE DES BINOMISCHEM SATZES DIE ALLGEMEINE LOESUNG FUER (A+B)**N FUER BELIEBIGES N ANZEIGEN LASSEN.

00046 PGM LINES 000 DATA REGS
HANS-JUERGEN FRENZEL
D - BAD HOMBURG

20038 ZAHLENJADG
C

DIES IST EIN SPIEL FUER KUEHLE DENKER UND SCHNELLE RECHNER. DER RECHNER VERSTECKT EINE SICH BEWEGENDE ZAHL, DIE DER ANWENDER FINDEN SOLL. VERSCHWINDET DIE ZAHL AUS EINEM VORGEGEBENEN BEREICH, SO IST DAS SPIEL VERLOREN.

00075 PGM LINES 016 DATA REGS
HANS-JUERGEN FRENZEL
D - BAD HOMBURG

20039 SEISMISCHE VERFAHREN-KONVOLUTION UND KREUZKORRELATION
C

DIESES PROGRAMM VERANSCHAULICHT DAS PRINZIP DES VIBROSEIS-VERFAHRENS.ES WIRD ZUNAECHST EIN NICHT REPETITI-VES SIGNAL, EIN SWEEP, ERZEUGT. DANACH ERFOLGT DIE IMPULSAUFNAHME EINES SYNTHETISCHEN SEISMOGRAMMS. DIESE BEIDEN FUNKTIONEN WERDEN MIT-EINANDER KONVOLIERT;MAN ERHAELT DAS EMPFANGSSIGNAL.ANSCHLIESSEND FINDET EINE KREUZKORRELATION DES "AUFGE-NOMMENEN" SIGNALS MIT DER EINGANGS-SCHWINGUNG STATT.ES WERDEN 3 MEMORY MODULE UND DER DRUCKER BENOETIGT.

00223 PGM LINES 253 DATA REGS
REINHARD LENGELING
D - BERLIN

20040 U-BOOT-JAGD
C

DIESES PROGRAMM SPIELT EINE EINFACHE VERSION DES SPIELS U-BOOT-JAGD GEGEN EINEN ANDEREN SPIELER. ES WIRD KEIN SPEICHER-ERWEITERUNGSMODUL BENOETIGT.

00173 PGM LINES 062 DATA REGS
OLIVER RIETSCHEL
D - EUTIN

20041 ALPHAZEICHEN PERMUTATIONEN
C

VORLIEGENDES PROGRAMM ERMOEGLICHT DIE DARSTELLUNG ALLER PERMUTATIONEN EINER MENGE VON 'N'=EINEM ODER MEHREREN ALPHAZEICHEN, WOBEI 'N-' LEDIGLICH DURCH DIE VORHANDENEN SPEICHERREGISTER NACH OBEN BEGRENZT WIRD (49 PROGRAMZEILEN, 80 BYTES). EIN ALPHAZEICHENLADE- & -ANZEIGE-PROGRAM IST BEIGEFUEGT (45 PROGRAM-ZEILEN, 81 BYTES).

00094 PGM LINES 023 DATA REGS
JIM KUTSCHERA
D - WALLDORF

20042 ALPHAZEICHEN KOMBINATIONEN
C

PROGRAM 'AK' ERMOEGLICHT DARSTEL-LUNG ALLER KOMBINATIONEN 'M VON N' EINER MENGE VON ALPHAZEICHEN, WOBEI 'M' GROESSER/GLEICH EINS, 'N' GROESSER/GLEICH 'M' UND NACH OBEN LEDIGLICH DURCH VORHANDENEN SPEICHERPLATZ BEGRENZT IST

20042 (CONTD)

(70 PROGRAMZEILEN, 111 BYTES). EIN ALPHAZEICHENLADE- & -ANZEIGEPROGRAM IST BEIGEFUEGT (50 PROGRAMZEILEN, 92 BYTES).

00120 PGM LINES 029 DATA REGS
JIM KUTSCHERA
D - WALLDORF

20043 ELLING
C

DAS PROGRAMM BERECHNET AUS DEN RECHTWINKLIGEN KOORDINATEN (BELIEBIGE ANZAHL) EINER FIGUR (ZB PROFIL) DIE FLAECHE DIESER FIGUR NACH GAUSS-ELLING; FLAECHEN-BERECHNUNGEN VON ERDAB- ODER AUFTRAGSPROFILEN IN DER BAUABRECH-NUNG.

00033 PGM LINES 007 DATA REGS
H D SCHMITT
D - HOMBERG

20044 KERBFAKTOREN
C

BERECHNUNG VON FORMZAHL UND KERB-WIRKUNGSZAHL FUER RUND- UND FLACH-MATERIAL (SYMMETRISHCE KERBSTAEBE)

00115 PGM LINES 020 DATA REGS
KARL-HEINZ KLANG
D - ASCHAFFENBURG

20045 BERECHNUNG EINER ZAHLENFOLGE UND BESTIMMUNG DER PERIODENLAENGE
C

ZUR ZAHLENTHEORIE GEHOERT U.A. DIE BERECHNUNG VON ZAHLENFOLGEN NACH BESTIMMTEN VORSCHRIFTEN UND DIE UNTERSUCHUNG DER DABEI AUFGETRETEN-EN GESETZMAESSIGKEITEN. HAEUFIG KOENNEN DIESE GESETZMAESSIGKEITEN NICHT DEDUKTIV ANGEGEBEN WERDEN, SONDERN DIE ZAHLENFOLGEN MUESSEN ERST BIS ZU EINER GEWISSEN LAENGE AUFGESTELLT WERDEN, BEVOR GESETZE DEDUZIERT WERDEN KOENNEN. WIR WAEHLEN "P 302" AUS PRAXIS DER MATHEMATIK, 1967, HEFT 6 U. 10.

00071 PGM LINES 039 DATA REGS
HUBERT LANGENER
D - KOELN

20046 ABZAEHLFORMELN DER KOMBINATORIK
C

DIE KOMBINATORIK LIEFERT DIE GRUND-LEGENDEN "ABZAEHLFORMELN" ZUR ERFASSUNG DER MAECHTIGKEIT ODER DES ERGEBNISRAUMES EINER LAPLACE-WAHRSCHEINLICHKEIT. DIE WICHTIGSTEN FORMELN FASST DIESES PROGRAMM ZUSAMMEN:

1. ANZAHL DER K-TUPEL AUS EINER MENGE A
2. ANZAHL DER PERMUTATION EINER MENGE A
3. ANZAHL DER K-PERMUTATION EINER MENGE A
4. ANZAHL DER K-TEILMENGEN EINER MENGE A

00061 PGM LINES 026 DATA REGS
HUBERT LANGENER
D - KOELN

20047 BERECHNUNG VON BERNOULLI-WAHRSCHEINLICHKEITEN
C

BEI DER BERECHNUNG VON BERNOULLI-WAHRSCHEINLICHKEITEN IST ES HAEUFIG GUENSTIG, WENN MAN MEHRERE NAEHERUNGSVERFAHREN,DIE SICH GEGEN-SEITIG ERGAEZEN,ZUR VERFUEGUNG HAT. DIESES PROGRAMM ENTHAELT:

- DIE BERNOULLI'SCHE FORMEL,
- DIE POISSON-NAEHERUNG,
- DIE LOKALE NAEHERUNGSFORMEL

00187 PGM LINES 055 DATA REGS
HUBERT LANGENER
D - KOELN

20048 EXTREME VALUES
C

DIESES PROGRAMM KANN DIE MAXIMAS

20048 (CONTD)

UND MINIMAS EINER ZU PROGRAMM-IRENTEN FUNKTION BERECHNEN.

00122 PGM LINES 014 DATA REGS
KLAUS BUBECK
D - STUTTGART

20049 QUERSCHNITTWERTE
C

BERECHNUNG DER QUERSCHNITTWERTE (AI, YS, XS, IX, IY, ETC.) FUER BELIEBIGE (AUCH HOHLE), JEDOCH NICHT GEKRUEMMTE QUERSCHNITTE DURCH EINFACHE KOORDINATENEINGABE DER ECKPUNKTE.

00234 PGM LINES 016 DATA REGS
ROLF-DIETER PAHLEN
D - BERLIN

20050 DREIECKSBERECHNUNGEN I
C

DIESES PROGRAMM BERECHNET AUS ZWEI BIS DREI GEGEBENEN SEITEN ODER WINKELN (ALTGRAD) DIE SEITENHAL-BIERENDEN (SCHWERELINIEN), DIE WINKELHALBIERENDEN, DIE HOEHEN, DEN INKREISRADIUS UND DEN UMKREISRADIUS EINES BELIEBIGEN EBENEN DREIECKS.

00162 PGM LINES 005 DATA REGS
SILVANO D'ORAZIO
CH - ZOFINGEN

20051 FAKULTAETSBERECHNUNG
C

DIESES PROGRAMM BERECHNET FAKULTAETEN BIS ZU 5X10**48 FAKULTAETS NAEHERUNGSWEISE.

00055 PGM LINES 013 DATA REGS
OLIVER RIETSCHEL
D - EUTIN

20052 SYM-K (SYMMETRISCHE KOMPONENTEN)
C

-BEI VORGABE EINES UNSYMMETRISCHEN DREHSTROMSYSTEMS BERECHNET DAS PROGRAMM DIE SYMMETRISCHEN KOMPO-NENTEN UND DEN UNSYMMETRIEGRAD DES SYSTEMS FUER 3- & 4-LEITERSYSTEME
-BEI VORGABE DER SYMMETRISCHEN KOMPONENTEN BERECHNET DAS PROGRAMM DIE UNSYMMETRISCHEN SPANNUNGEN (STROEME) DES SYSTEMS NACH BETRAG UND PHASENLAGE.
-DIE DATENEINGABE ERFOLGT IM DIALOGVERKEHR.

00153 PGM LINES 012 DATA REGS
WALTER BIERWIRTH
D - HANNOVER

20053 NIMM-SPIEL
C

SIE SPIELEN GEGEN IHREN HP-41C. ZIEL DES SPIELES IST ES, BEI VORGE-GEBENER STEINANZAHL UND BESCHRAENK-UNG WIEVIEL MAXIMAL GENOMMEN WERDEN DUERFEN, BEI ABWECHSELNDEM NEHMEN, JE NACH SPIELVARIANTE DEN LETZTEN ZUG ZU MACHEN (BZW NICHT ZU MACHEN) VOLLER DIALOG MIT IHREM HP-41C.

00203 PGM LINES 005 DATA REGS
MICHAEL WANDL
A - WIEN

20054 FLAECHEN,VOLUMINA,MOMENTE,SCHWER-PUNKTKOORDINATEN EBENER FLAECHEN
C

MIT HILFE DER SIMPSON'SCHEN NAEHER-UNGSMETHODE ZUR LOESUNG VON INTE-GRALEN WERDEN IN DIESEM PROGRAMM FLAECHEN, SCHWERPUNKT UND MOMENTE EBENER FLAECHEN BZW VOLUMINA VON EBENEN DREHFLAECHEN BERECHNET.

00128 PGM LINES 016 DATA REGS
WOLFRAM STROHSCHEIN
A - WIESELBURG

20055 TACHYMETRISCHE PUNKTBESTIMMUNG
C

DAS PROGRAMM UMFASST FOLGENDE BERECHNUNGEN: TACHYMETRISCHE PUNKT-

20055 (CONTD)

BESTIMMUNG NACH REICHENBACH, TRIGO-
NOMETRISCHE HOEHENBESTIMMUNG BEI
GEGEBENER SCHRAEGER DISTANZ,SCHRAE-
GER DISTANZ ZWISCHEN BODENPUNKTEN,
WAAGRECHTER DISTANZ, PUNKT POLAR
ANGEHAENGT. ES KOENNEN MESSUNGEN IN
BEIDEN FERNROHRLAGEN VERARBEITET
WERDEN. ZUR HOEHENBESTIMMUNG IST
AUCH DIE BERECHNUNG VON RUECKBLIK-
KEN MOEGLICH.

00313 PGM LINES 010 DATA REGS
WALTER KROPF
A - LEOBEN

20056 LEITUNGSWIDERSTAND
C

DAS PROGRAMM BERECHNET DEN WIDER-
STAND,GEWICHT,DURCHMESSER,LAENGE,
WIDERSTAND BEI ANDEREN TEMPERATUREN
VON ELEKTRISCHEN LEITERN. IM PROG-
GRAMM SIND DIE MATERIALKONSTANTEN
VON 7 WERKSTOFFEN GESPEICHERT. FUER
ANDERE MATERIALIEN KOENNEN DIESE
PER PROGRAMM EINGEGEBEN WERDEN.
ANZAHL V. DATENSPEICHER:0,7,8,9,A-I

00222 PGM LINES 000 DATA REGS
WALTER KROPF
A - LEOBEN

20057 INDEXZAHLEN
C

DIESES PROGRAMM BERECHNET DIE
PREIS- UND MENGENINDIZES NACH
LASPEYRES, PAASCHE, FISHER UND
MARSHALL-EDGEWORTH. FERNER DEN
UMSATZINDEX.
DAS PROGRAMM BENOETIGT INSGESAMMT
34 REGISTER UND DAHER KEIN WEITERES
MEMORY MODUL!

00091 PGM LINES 011 DATA REGS
MICHAEL SCHMIDT
D - HEIDENHEIM

20058 POLYNOMDIVISION
C

MIT DIESEM PROGRAMM KOENNEN SIE
POLYNOMDIVISION (DIVISOR (X-X0))
MIT POLYNOMEN 16-TEN GRADES DURCH-
FUEHREN. DAS PROGRAMM WENDET DAS
HORNERSCHEMA AN.

00072 PGM LINES 000 DATA REGS
HANS-JUERGEN FRENZEL
D - BAD HOMBURG

20059 CROSS WIRES
C

MIT DIESEM PROGRAMM KOENNEN SIE
VERSUCHEN, EIN U-BOOT IN EINEM
GEGEBENEN KOORDINATENSYSTEM AUFZU-
SPUEREN UND ZU VERSENKEN. SIE
HABEN ABER NUR DREI SCHUSS UND EILE
IST GEBOTEN.

00128 PGM LINES 000 DATA REGS
HANS-JUERGEN FRENZEL
D - BAD HOMBURG

20060 SORTIERPROGRAMM
C

DIESES PROGRAMM SORTIERT - OHNE
SPEICHERERWEITERUNGSMODULE - BIS ZU
42 ZAHLEN, DIE VORHER IN BELIEBIGER
REIHENFOLGE EINGEGEBEN WURDEN.

00062 PGM LINES 021 DATA REGS
HANS-JOACHIM ERMEN
D - RATINGEN

20061 PAM ZEITMULTIPLEX
C

DIESES PROGRAMM BERECHNET DIE
ANZAHL DER PAM-KANAELE UND DIE
KOMMUTATIONSFREQUENZ (PAM-SERIEN-
SIGNAL) FUER EINE DISKRETE ANZAHL
VON MESSWERTEN,DIE DURCH TELEMETRIE
ZU UEBERTRAGEN SIND. WEITERHIN BE-
INHALTET DAS PROGRAMM SUPERKOMMUTA-
TION./ ZUSAETZLICH KOENNEN SIE DIE
GEMITTELTE ABTAST-(RAHMEN-)FREQUENZ
UND DEN ABTAST- (ALIASING-)FEHLER
ERMITTELN.

00117 PGM LINES 049 DATA REGS

20061 (CONTD)

MANFRED MICKOTEIT
D - KOBLENZ

20062 MASTERMIND
C

DER RECHNER SUCHT SICH EINE 4-
STELLIGE ZUFALLSZAHL, DIE DER
BENUTZER DURCH EINGABE VERSCHIE-
DENER 4-STELLIGER ZAHLENKOMBINA-
TIONEN FINDEN SOLL.

00150 PGM LINES 000 DATA REGS
HANS-JUERGEN FRENZEL
D - BAD HOBMURG

PROGRAM ABSTRACTS

20063 TELE
C

BERECHNUNG SAEMTLICHER TELEFONGEBUEHREN VON DEUTSCHLAND.

00092 PGM LINES 030 DATA REGS
ELK-DETLEF GOLZ
D - LUEDENSCHEID

20064 BUNDESLIGA (ERGEBNISSE UND TABELLE)
C

BERECHNUNG DER BUNDESLIGATABELLE AUS DER ALTEN TABELLE & DEN SPIELERGEBNISSEN. DIE ALTE TABELLE WIRD PER MAGNETKARTE EINGELESEN.
3 MEMORY-MODULE, CARD-READER UND PRINTER SIND ERFORDERLICH.

00632 PGM LINES 080 DATA REGS
GERHARD KOCKERBECK
D - DORTMUND

20065 TELEFON-GEBUEHREN
C

BERECHNUNG DER TELEFONGEBUEHREN NACH FORTLAUFENDEN EINHEITEN MIT ANZEIGE DER JEWEILS ZUGEHOERIGEN ZEIT. DIE UEBERSCHREITUNG ZWEIER GRENZWERTE WIRD MIT UNTERSCHIEDLICHEM TONZEICHEN SIGNALISIERT.

00068 PGM LINES 023 DATA REGS
MANFRED MICKOTEIT
D - KOBLENZ

20066 PRIVATES TELEFONREGISTER
C

PROGRAMM LIEFERT DIE TELEFONNUMMERN FUER BIS ZU 15 NAMEN (ABKUERZUNGEN) -ZUERST WIRD DIE GEHEIME CODEZIFFER EINGEGEBEN, DANN DAS PROGRAMM GESTARTET. DER RECHNER FRAGT NUN NACH DEM GEWUENSCHTEN NAMEN UND GIBT DARAUFHIN DIE ENTSPRECHENDE NUMMER AUS. WENN MAN DAS PROGRAMM ALS GESCHUETZTES PROGRAMM AUFZEICHNET,HAT MAN EIN GEHEIMES TELEFONREGISTER,DA DER RECHNER SICH BEI EINGABE EINER FALSCHEN CODEZIFFER SELBST ABSCHALTET. ES IST DAMIT FAST AUSGESCHLOSSEN, DASS EIN ANDERER DIE NAMEN UND NUMMERN HERAUSBEKOMMEN KANN.

00126 PGM LINES 060 DATA REGS
WOLFGANG KOEBERER
D - FRANKFURT AM MAIN

20067 ADDITION MIT KONTROLLAUSGABE OHNE VERWENDUNG EINES DRUCKERS
C

DAS PROGRAMM DIENT ZUR KONTROLLE DER EINGEGEBENEN WERTE (ADDITION) WENN KEIN DRUCKER VORHANDEN IST.

00049 PGM LINES 020 DATA REGS
HEINZ ELSAESSER
D - REMCHINGEN

20068 PLANETENLANDUNG
C

DAS ZIEL DIESES SPIELES IST ES, BEI EINER VERTIKALEN LANDUNG AUF EINEM PLANETEN EIGENER WAHL SO WEICH WIE MOEGLICH AUF DESSEN OBERFLAECHE AUFZUSETZEN.

00158 PGM LINES 045 DATA REGS
OLIVER RIETSCHEL
D - EUTIN

20069 FLUGZEIT (FLZ)
C

UM DAS MUEHSAME ZUSAMMENZAEHLEN DER FLUGZEITEN UND LANDUNGEN ZU UMGEHEN KANN DIESES PROGRAMM BENUETZT WERDEN.

00067 PGM LINES 009 DATA REGS
HUBER FRED
CH - ZUERICH

20070 LOTTO
C

ES WERDEN 6 LOTTOZAHLEN ERZEUGT. (0>50) KEINE ZAHL ERSCHEINT MEHRMALS BEI EINER ZIEHUNG.

00047 PGM LINES 015 DATA REGS

20070 (CONTD)

ELK-DETLEF GOLZ
D - LUEDENSCHEID

20071 U-BOOT-JAGD 2
C

DER RECHNERBESITZER ERHAELT MIT DIESEM PROGRAMM EINEN FUER DAS SPIEL U-BOOT-JAGD IN JEDER HINSICHT VOLLWERTIGEN GEGNER. RECHNER MERKT SICH JEDEN SEINER SCHUESSE & DEREN RESULTATE, SO DASS ER IN DER LAGE IST,U-BOOTE GEZIELT ZU SUCHEN & UNNOETIGE SCHUESSE VERMEIDET.PROGRAMM IST IM GEGENSATZ ZUM U-BOOT-JAGD NR 20040C SEHR SPIELSTARK,DETAILIERTER ... EBEN EIN VOLLWERTIGER GEGNER! DAMIT DIE FUNKTION DES PROGRAMMES LEICHT NACHVOLLZOGEN WERDEN KANN, IST ES SEHR STARK ALPHANUMMERISCH AUSGELEGT ...

00311 PGM LINES 148 DATA REGS
OLIVER RIETSCHEL
D - EUTIN

20072 FACT
C

DIESES PROGRAMM IST IN DER LAGE, BELIEBIGE FAKULTAETEN ZU BERECHNEN. FUER N<=69 WIRD N!DURCH DAS INTERNE FACT BERECHNET, FUER GROESSERE ARGUMENTE WIRD DIE BERECHNUNG DURCH DAS PROGRAMM SELBST AUSGEFUEHRT! FUER DEZIMALE ARGUMENTE IS N! NICHT DEFINIERT, ES ERFOLGT EINE FEHLERMELDUNG.

00059 PGM LINES 002 DATA REGS
MICHAEL SCHLEY
D - BERLIN

20073 TONBAND
C

DAS PROGRAMM BERECHNET AUS DEM EINGEGEBENEN ZAEHLWERKSTAND Z1 UND Z2 DIE DAZWISCHENLIEGENDE SPIELZEIT DES TONBANDES BZW DER COMPACTCASSETTE. FERNER KANN ZU EINER VORGEGEBENEN ZPIELZEIT DER ZAEHLWERKSTAND BERECHNET WERDEN.

00485 PGM LINES 012 DATA REGS
MICHAEL SCHLEY
D - BERLIN

20074 LOGISCHE VERKNUEPFUNGEN (LOG 1)
C

MIT DIESEM PROGRAMM KOENNEN LOGISCHE VERKNUEPFUNGEN BERECHNET WERDEN, DIE ALS GLEICHUNGEN GEGEBEN SIND: Y1=F1(X1X2...),Y2=F2(X1X2...) ...XIYI=0,1. DIE ANZAHL DER MOEGLICHEN VARIABLEN HAENGT VON DER ANZAHL DER ZUR VERFUEGUNG STEHENDEN FLAGS AB (MAX. 18: 00...10,11,22, 23,24,25,28,29); DIESE ZAHL KANN EVENTUELL DURCH BENUTZUNG VON FLAG 12... FLAG 20 (FALLS MOEGLISH) ERHOEHT WERDEN. ANWENDUNG:ZB ERSTELLUNG VON WAHRHEITSTAFELN.

00189 PGM LINES 051 DATA REGS
WOLFGANG JUNGNICKEL
D - BRAUNSCHWEIG

20075 MATRIXOPERATIONEN I
D

PROGRAMM ERMOEGLICHT MEHRERE RECHEN OPERATIONEN MIT QUADRATISCHEN MATRIZEN:1)EINGABE EINER/ZWEIER MATRIZEN-2)AUSGABE ALLER MATRIXELEMENTE-3)SPUR DER MATRIX-4)ADDITION ZWEIER MATRIZEN-5)SUBTRAKTION ZWEIER MATRIZEN-6)TAUSCHEN ZWEIER MATRIZEN IN DEN ENTSPECHENDEN SPEICHERBEREICHEN -7)EINZELNE MATRIXELEMENTE AUSGEBEN -8)ZWEI SPALTEN TAUSCHEN-9)2 ZEILEN TAUSCHEN. DIE DIMENSION N DER MATRIZEN IST NUR DURCH DEN ZUR VERFUEGUNG GESTELLTEN SPEICHERBEREICH BEGRENZT, DAS PROGRAMM SELBST ARBEITET MIT BELIEBIGEM N.

00227 PGM LINES 059 DATA REGS
WOLFGANG JUNGNICKEL
D - BRAUNSCHWEIG

20076 PECH
C

ZWEI BIS VIER SPIELER KOENNEN MITSPIELEN. JEDER WUERFELT FUER SICH UND MUSS VERSUCHEN, ALS ERSTER GENAU 100 PUNKTE ZU ERREICHEN. DAS IST NICHT LEICHT, DENN EINE "SECHS" BEDEUTET PECH.

00156 PGM LINES 006 DATA REGS
MICHAEL KUSCHKOWITZ
D - HANNOVER

20077 LOTTO
C

DIESES PROGRAMM LIEFERT NACH EINGABE EINER QUELLZAHL JEWEILS 6 ZAHLEN FUER DAS LOTTO-SPIEL "6 AUS 49".

00075 PGM LINES 007 DATA REGS
NIELS NOEHREN
D - NORDERSTEDT

20078 DOPPELSPALTENAUSDRUCK
C

DIE REGISTERINHALTE DER REG. X & Y WERDEN IN 1 ZEILE AUSGEDRUCKT, SO DASS DER X-WERT RECHTSBUENDIG IN DEN DRUCKSPALTEN 13 BIS 24, DER Y-WERT RECHTSBUENDIG IN DEN DRUCKSPALTEN 1 BIS 12 STEHT. FUER DEN X- & Y-AUSDRUCK KOENNEN JE GETRENNTE DRUCKFORMATE GEWAEHLT WERDEN. BEI FIX-FORMAT KANN 0=<=N<=9, BEI SCI-FORMAT KANN 0<=N<=6 & BEI ENG-FORMAT KANN 2<=N<=6 GEWAHLT WERDEN.DAS PROGRAMM IST ALS DRUCKUNTERPROGRAMM FUER BELIEBIGE HAUPTPROG. GEEIGNET & KANN ZUM AUFLISTEN VON WERTEPAAREN IN 2 SPALTEN VERWENDET WERDEN.

00073 PGM LINES 009 DATA REGS
R GEISWEID
D - ESSLINGEN

20079 MONDLANDUNG
C

VERSETZEN SIE SICH IN DIE LAGE EINES ASTRONAUTEN, DER SEINE RAUMFAEHRE SANFT AUF DEM MOND LANDEN WILL.DIESES PROGRAMM SIMULIERT EINE MONDLANDUNG.

00112 PGM LINES 000 DATA REGS
HANS-JUERGEN FRENZEL
D - BAD HOMBURG

20080 BEZUGSRECHTSRECHNUNG
C

DIESES PROGRAMM BERECHNET BEI VORGABE DER ENTSPRECHENDEN DATEN:
-DEN RECHNERISCHEN WERT EINES BEZUGSRECHTS
-DAS BEZUGSVERHAELTNIS
-DEN AUSGABEKURS DER NEUEN AKTIEN
-DEN KURS DER ALTEN AKTIEN VOR UND WAEHREND DES BEZUGSRECHTSHANDELS
-EINEN DIVIDENDENVORTEIL ODER-NACHTEIL

00138 PGM LINES 000 DATA REGS
HANS-JUERGEN FRENZEL
D - BAD HOMBURG

20081 BANK
C

MIT DIESEM PROGRAM KOENNEN SIE EIN (SPAR.) KONTO VERWALTEN UND AUF 4 VERSCHIEDENE BESTIMMUNGEN VERTEILEN -NACH EINGABE EINER EINZAHLUNG ODER AUSGABE ERFOLGT ANZEIGE DES NEUEN BETRAGES SOWIE DES GESAMT-KONTOSTANDES.
DATENSPEICHERUNG AUF MAGNETKARTE IST MOEGLICH ABER NICHT UNBEDINGT ERFORDERLICH.

00124 PGM LINES 047 DATA REGS
ELK-DETLEF GOLZ
D - LUEDENSCHEID

20082 ROMMEE
C

NOTIERT DIE SPIELPUNKTE UND ERRECHNET GEWINN ODER VERLUST FUER WAHLWEISE 2 BIS 7 ROMMEE-SPIELER.

00325 PGM LINES 097 DATA REGS

PROGRAM ABSTRACTS

20082 (CONTD)

ELK-DETLEF GOLZ
D - LUEDENSCHEID

20083 RECHNUNG
C

ERSTELLUNG EINER RECHNUNG FUER KLEINTEILE (ZB SCHRAUBEN). EINFACHE BEDIENUNG. AUTOMATISCHE AUSGABE DER RECHNUNGSNUMMER. AUTOMATISCHE ABSPEICHERUNG DER NETTOBETRAEGE ZUR ERMITTLUNG DES TAGES- ODER MONATSUMSATZES. FALLS KARTENLESER VORHANDEN, KOENNEN DATEN (RECHNUNGSNUMMER UND UMSATZ) ABGESPEICHERT WERDEN.

00115 PGM LINES 047 DATA REGS
ELK-DETLEF GOLZ
D - LUEDENSCHEID

20084 ZFGKL
C

PROGRAMM ZUR BERECHNUNG DER (KOMPL) UEBERTRAGUNGSFUNKTION EINES KETTENLEITERS SOWIE DESSEN KOMPL. WIEDERSTAND ZWISCHEN EINGANGS-& AUSGANGSKLEMMEN. JEDER WIDERSTAND DES KETTENLEITERS KANN WAHLWEISE AUS EINER REIHEN- ODER PARALELLSCHALTUNG AUS R,C,L BESTEHEN. DAS NETZWERK KANN FUER BELIEBIGE KREISFREQUENZEN BERECHNET WERDEN, DA NUR DIE BAUELEMENTE ABGESPEICHERT WERDEN, NICHT ABER IHRE WIDERSTAENDE (BEI BEDARF ALLERDINGS AUCH MOEGLICH!). GEZIELTER AUSTAUSCH EINZELNER ELEMENTE MOEGLICH!

00272 PGM LINES 040 DATA REGS
DIRK VOLLMER
D - HAMBURG

20085 PRIMZAHLZERLEGUNG , GGT , KGV
C

DIESES PROGRAMM ERMOEGLICHT:
1-ZERLEGUNG EINER ZAHL IN PRIMZAHLEN
2.BESTIMMUNG DES GGT'S BELIEBIG VIELER ZAHLEN
3.BESTIMMUNG DES KGV'S BELIEBIG VIELER ZAHLEN

00119 PGM LINES 040 DATA REGS
LANGENER HUBERT
D - KOELN

20086 DET
C

DIESES PROGRAMM BERECHNET 2-3- ODER 4-REIHIGE DETERMINANTEN.

00233 PGM LINES 025 DATA REGS
ROLF SCHOENENBERG
D - HANNOVER

20087 CUBE
C

DIESES PROGRAMM BERECHNET AUS EINER QUADRATISCHEN ODER KUBISCHEN GLEICHUNG, DIE REELLEN LOESUNGEN ODER UND DIE IMAGINAEREN LOESUNGEN.

00238 PGM LINES 012 DATA REGS
ROLF SCHOENENBERG
D - HANNOVER

20088 NOTEN-ZUORDNUNG
C

DAS PROGRAMM RECHNET EINE DURCH PUNKTE GEGEBENE BEWERTUNG EINES LEISTUNGSNACHWEISES IN DIE AN DEN DEUTSCHEN HOCHSCHULEN UEBLICHEN NOTEN UM. ZWEI STUETZWERTE MUESSEN EINGEGEBEN WERDEN. DIE VERGABE DER PUNKTE KANN IN 1/1/; 1/2; 1/4; 1;5 ODER 1/10 ODER IN BELIEBIGEN GANZZAHLIGEN SCHRITTEN ERFOLGEN.

00208 PGM LINES 093 DATA REGS
WERNER STROINSKI
D - BERLIN

20089 REGELMAESSIGE N-ECKE
C

DAS VORLIEGENDE PROGRAMM BERECHNET AUS DEM RADIUS DES UMKREISES EINES

20089 (CONTD)

REGELMAESSIGEN DREIECKS, VIERECKS (QUADRATS), FUENFECKS, SECHSECKS, ACHTECKS,ODER ZEHNECKS SEINE SEITE, SEINEN INKREISRADIUS UND SEINE FLAECHE. ES SIND KEINE NAEHERUNGSFORMELN VERWENDET WORDEN.

00203 PGM LINES 003 DATA REGS
SILVANO D'ORAZIO
CH - ZOFINGEN

20090 MASTERMIND FUER SPIELER UND HP
C

DER SPIELER KANN ENTSCHEIDEN, OB ER ODER DER RECHNER EINE VIERSTELLIGE ZAHL ERRATEN SOLL. BEIDEN STEHEN MAX. 9 RATEVERSUCHE ZUR VERFUEGUNG. DER RATER- HP ODER SPIELER- BEKOMMT BEI JEDEM RATEVERSUCH MITGETEILT WIE VILE ZIFFERN AN DER RICHTIGEN STELLE UND WIEVIELE ZIFFERN ZWAR RICHTIG, ABER AN FALSCHER STELLE PLAZIERT SIND. DER HP LOEST DAS PROBLEM IMMER IN HOECHSTENS 9 ZUEGEN; OB SIE ES IMMER SCHAFFEN?

00302 PGM LINES 020 DATA REGS
MARTIN KAWALETZ
D - SALZGITTER

20091 ARAB
C

DIESES PROGRAMM WANDELT ARABISCHE IN ROEMISCHE ZAHLEN UM.

00130 PGM LINES 008 DATA REGS
FRANK GUSCHMANN
D - BERLIN

20092 PUNKTE-NOTENZUORDNUNG MIT GERADE ODER KNICKGERADE
C

ZEUGNISNOTEN N WERDEN UEBER EINE GERADE/EINE GEKNICKTE GERADE IM PROGRAMMTEIL STPE PUNKTZAHLEN ZUGEORDNET.ES KOENNEN 2 ODER BEI KNICKGERADE 3 STUETZPUNKTE (P1,N1,P2,N2, P3,N3) VORGEGEBEN WERDEN. PROGRAMMTEIL PUNO DRUCKT NACH EINGABE EINES P-WERTES P & N AUS.PROGRAMMTEIL NOPU DRUCKT NACH EINGABE EINES N-WERTES P & N AUS.PROGRAMMTEIL LISPN DRUCKT EINE FORTLAUFENDE DOPPELSPALTIGE LISTE VON P & N WERTEN,WOBEI MIT BELIEBIGEM P-WERT BEGONNEN WERDEN KANN. ES KANN DABEI P START UND DELTA P VORGEGEN WERDEN.

00192 PGM LINES 008 DATA REGS
GEISWEID RAMON
D - ESSLINGEN

20093 ROM3
C

NOTIERT DIE PUNKTE DER ROMMEE-SPIELER (3 STUECK) UND ZEIGT DAS ERGEBNIS AN.

00080 PGM LINES 024 DATA REGS
ELK-DETLEF GOLZ
D - LUEDENSCHEID

20094 'ROM 4'
C

NOTIEREN DER ROMMEE-SPIELPUNKTE VON 4 MITSPIELERN UND ERRECHNEN DER ERGEBNISSE.

00109 PGM LINES 029 DATA REGS
ELK-DETLEF GOLZ
D - LUEDENSCHEID

20095 ROM 3/4
C

NOTIERT UND ERRECHNET ROMMEE-SPIELPUNKTE FUER WAHLWEISE 3 BIS 4 MITSPIELER.

00134 PGM LINES 036 DATA REGS
ELK-DETLEF GOLZ
D - LUEDENSCHEID

20096 HOHLLEITERBERECHNUNG
C

BERECHNUNG FOLGENDER DATEN DES HOHLLEITERS: GRENZWELLENLAENGE,

20096 (CONTD)

PHASENKONSTANTE, AUSBREITUNGSKONSTANTE, HOHLLEITERWELLENLAENGE, HOHLLEITERFELDWELLENWIDERSTAND, GRUPPENGESCHWINDIGKEIT, PHASENGESCHWINDIGKEIT.
DIE BERECHNUNG ERFOLGT IN ABHAENGIGKEIT VON DER WELLENFORM, DER BREITE DES HOHLLEITERS , DER HOEHE DES HOHLLEITERS , DER BETRIEBSFREQUENZ UND DER RELATIVEN DIELEKTRIZITAETSKONSTANTE.

00153 PGM LINES 016 DATA REGS
GERHARD KOCKERBECK
D - DORTMUND

20097 DIFFERENTIALGLEICHUNG (DYNAMISCHE SYSTEME) - BIS ZUR ORDNUNG 11
C

UMRECHNUNG DER ANFANGSWERTE Y(0), Y(0),...., Y(N)(0) AUF DIE ANFANGSWERTE DER INNEREN ZUSTANDSGROESSEN X1(0),....,XN(0). DIESES PROGRAMM IST EINE HILFREICHE UNTERSTUETZUNG BEI DER LOESUNG EINER LINEAREN DIFFERENTIALGLEICHUNG N-TER ORDNUNG . FUER DIE BERECHNUNG IST DAS MATHEMATIK-MODUL,SOWIE 1-3 MEMORY-MODULE ERFORDERLICH.

00278 PGM LINES 015 DATA REGS
GERHARD KOCKERBECK
D - DORTMUND

20098 LOESUNG EINER LINEAREN DIFFERENTIAL GLEICHUNG BIS ZUR ORDNUNG 16
C

PROGRAMM BERECHNET & PLOTET DEN VERLAUF DER AUSGANGSGROESSE Y, BEI EINER BELIEBIGEN EINGANGSFUNKTION X=U(T), FUER EINE LINEARE DIFFERENTIALGLEICHUNG BIS ZUR ORDNUNG 16, NACH DEM RUNGE-KUTTA-VERFAHREN 4 ORDUNG. DIE FUNKTION U(T) KANN VON DEM BENUTZER PROGRAMMIERT WERDEN,SO DASS DIE BERECHNUNG FUER BELIEBIGE EINGANGSFUNKTION X=U(T) ERFOLGEN KANN.DA DIESES PROGRAMM AUCH AUF EINE UEBERTRAGUNGSFUNKTION G(S) ANGEWENDET WEREN KANN,EIGNET ES SICH SEHR GUT FUER DIE SIMULATION VON REGEL-STRECKEN & REGEL KREISEN.

00412 PGM LINES 031 DATA REGS
GERHARD KOCKERBECK
D - DORTMUND

20099 POLYNOMVERSCHIEBUNG UND-DEHNUNG BIS ZUR ORDNUNG 131
C

DAS PROGRAMM BERECHNET DIE NEUEN KOEFFIZIENTEN AI' WENN MAN BEI DEM URSPRUENGLICHEN POLYNOM X DURCH BX+C ERSETZT.
B>0 BEDEUTET DEHNUNG DER KURVE
C>0 BEDEUTET LINKSVERSCHIEBUNG DER KURVE
DIE BERECHNUNG ERFOLGT UEBER DAS PASCALSCHE DREIECK.

00170 PGM LINES 017 DATA REGS
GERHARD KOCKERBECK
D - DORTMUND

20100 MATRIZENMULTIPLIKATION
C

MULTIPLIKATION EINER MXN-MATRIX A MIT EINER NXP-MATRIX B. DAS ERGEBNIS IST EINE MXP-MATRIX C. DIE MATRIX A WIRD DURCH DIE MATRIX C ERSETZT. SO KANN EINE KETTENMULTIPLIKATION DURCH DIE WIEDERHOLTE EINGABE EINER MATRIX B DURCHGEFUEHRT WERDEN. WIRD DIE ERGEBNISMATRIX C WIEDERHOLT MIT DER SELBEN MATRIX B MULTIPLIZIERT, SO BRAUCHT MAN NUR DIE MULTIPLIKATION (XEQ E) DURCHZUFUEHREN. DIES IST BEI QUADRATISCHER MATRIX B (N=P) MOEGLICH.

00372 PGM LINES 013 DATA REGS
GERHARD KOCKERBECK
D - DORTMUND

20101 LAENGEN
C

MIT DIESEM PROGRAMM KOENNNEN 10 VERSCHIEDENE (ENGL. U. DEUTSCH)

PROGRAM ABSTRACTS

20101 (CONTD)

UMWANDLUNGEN VON LAENGENMASSEN DURCHGEFUEHRT WERDEN.

00107 PGM LINES 000 DATA REGS
ROLF SCHOENENBERG
D - HANNOVER

20102 FLAECHE
C

MIT DIESEM PROGRAMM KOENNEN 10 VERSCHIEDENE UMWANDLUNGEN VON FLAECHENMASSEN (ENGL. U. DEUTSCHE) DURCHGEFUEHRT WERDEN.

00105 PGM LINES 000 DATA REGS
ROLF SCHOENENBERG
D - HANNOVER

20103 LOGISCHE OPERATIONEN
C

PROGRAMM BERECHNET DIE LOGISCHEN FUNKTIONEN NEGATION, AND,OR,NAND, NOR, EXCLUSIVE OR, AQUIVALENCE, UND IMPLICATION IN BEIDEN RICHTUNG IN, AUSGEHEND VON DEN WERTEN VON X & Y IM STACK.DIE WERTE DER Z & T REGISTER BLEIBEN HIERBEI ERHALTEN, UND RUECKEN BEI 2-STELLIGEN FUNKTIONEN VON OBEN NACH. DER X-WERT WIRD BEI AUSFUEHRUNG EINER FUNKTION NACH LAST X GESPEICHERT. PROGRAMM VERWENDET KEIN DATENREGISTER. PROGRAMM EIGNET SICH BESONDERS ALS UNTERPROGRAMM ZUM PROGRAMMIEREN VON BOOLISCHEN FUNKTIONEN..

00046 PGM LINES 000 DATA REGS
CHRISTIAN FRANKE
D - VOERDE

20104 KOMBINATORIK
C

HP-41C VERSION DES PROGRAMMES 65121 ES BERECHNET:
1) KOMBINATIONEN MIT & OHNE WIEDERHOLUNG 2) VARIATIONEN MIT & OHNE WIEDERHOLUNG 3) PERMUTATION (=FAKULTAETEN).
BEI 1. & 2. DUERFEN DIE EINGABEWERTE AUCH UEBER 69 LIEGEN, SOLANGE DAS ERGEBNISS DEN RECHENBEREICH NICHT UEBERSCHREITET.BEI 3. DUERFEN DIE EINGABEWERTE UEBER 69 LIEGEN, UNGEACHTET WIE GROSS DAS ERGEBNIS WIRD. DAS PROGRAMM WAEHLT JEWEILS DEN KUERZESTEN WEG FUER DIE BERECHNUNG.

00102 PGM LINES 003 DATA REGS
CHRISTIAN FRANKE
D - VOERDE

20105 PRIMZAHLEN BIS 10193
C

DIESES PROGRAMM BERECHNET UND DRUCKT DIE PRIMZAHLEN BIS 10193

00071 PGM LINES 015 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

20106 SCHRUMPFVERBINDUNG VON WELLE UND NABE
C

BERECHNUNG ALLER NOTWENDIGEN DATEN FUER EINE SCHRUMPFVERBINDUNG MIT HOHL- BZW VOLLWELLE

00478 PGM LINES 155 DATA REGS
KARL-HEINZ KLANG
D - ASCHAFFENBURG

20107 FOURIER-REIHENENTWICKLUNG NACH DEM RUNGE-VERFAHREN
C

DAS PROGRMM ERRECHNET NACH DEM RUNGE-VERFAHREN DIE FOURIER-KOEFFIZIENTEN EMPIRISCHER FUNKTIONEN. NACH FESTLEGEN DER PERIODE WERDEN IM ABSTAND VON 30 GRAD FUNKTIONSWERTE ABGENOMMEN UND EINGELESEN. AUS 12 PUNKTEN ERMITTELT DAS PROGRAMM DEN MITTELWERT DER FUNKTION, DIE AMPLITUDEN DER SINUS- UND COSINUSGLIEDER, UND DAS LINIENSPEKTRUM BIS ZUR 5. HARMONISCHEN. AUS DEN NAEHERUNGSWEISE ERMITTELTEN AMPLI-

20107 (CONTD)

TUDEN WIRD DER GESAMTKLIRRFAKTOR ERRECHNET UND EBENFALLS AUSGEGEBEN.

00247 PGM LINES 058 DATA REGS
TSCHERISCH NORBERT
D - HAMBURG

20108 ESKALERO
C

MIT DIESEM PROGRAMM KOENNEN EIN BIS ZWEI PERSONEN ESKALERO (AEHNLICH WUERFELPOKER) GEGEN DEN HP-41C SPIELEN. ES KANN MIT ZWEI ODER DREI KOLONNEN GESPIELT WERDEN, DIE ALLE GLEICH VIEL ZAEHLEN. ES WERDEN DREI MOMORY MODULES BENOETIGT.

00705 PGM LINES 046 DATA REGS
ROBERT KLAUC
A - WIEN

20109 TIEFTEMPERATURMESSUNG MIT KOHLEWIDERSTAND
C

ZUR TIEFTEMPERATURMESSUNG KANN EIN KOHLEWIDERSTAND VERWENDET WERDEN. ES GILT DIE EMPIRISCHE FORMEL LOG (R/OMEGO)+A/LOG(R/OMEGA)=B+C/(T/K). R IST DER WIEDERSTAND,T DIE TEMPERATUR UND A,B C SIND KONSTANTEN. MIT DEN DURCH MESSUNG ERMITTELTEN 3 STUETZPUNKTEN (T1,R1,T2,R2,T3,R3) WERDEN IM PROGRAMMTEIL STPE DIE KONSTANTEN A,B UND C BERECHNET. PROGRAMM TEIL R NACH T BERECHNET ZU EINEM GEGEBENEN R-WERT DIE TEMPERATUR T; PROGRAMMTEIL T NACH R BERECHNET ZU EINEM GEGEBENEN T-WERT DEN WIDERSTAND R.

00165 PGM LINES 019 DATA REGS
GEISWEID RAMON
D - ESSLINGEN

20110 SORTIERUNG MIT NUM, UND GRAPHISCHER AUSWERTUNG
C

BELIEBIG VIELE PROZENTWERTE P IM BEREICH 0<=P<=100% WERDEN AUF GANZE ZAHLENWERTE GERUNDET UND DANN NACH GROESSE SORTIERT. MIT DEM PROGRAMMTEIL SORT WERDEN DIE P-WERTE EINGEGEBEN UND GELISTET. PROGRAMMTEIL AUSW LISTET DIE NACH GROESSE GEORDNETEN WERTE MIT DER ANGABE DER HAEUFIGKEIT (ANZAHL). ANSCHLIESSEND WIRD EINE GRAPHIK GEDRUCKT.

00199 PGM LINES 121 DATA REGS
GEISWEID RAMON
D - ESSLINGEN

20111 SCHNIPK
C

DAS PROGRAMM BERECHNET NACH EINGABE VON NIVELLIERTEN PUNKTEN BEI PROFILEN IM STRASSENBAU UND DER BOESCHUNGSNEIGUNG BEI DAEMMEN ODER EINSCHNITTEN DEN SCHNITTPUNKT DES DAMMES (BOESCHUNG) ODER EINSCHNITTES MIT DEM VORHANDENEN GELAENDE.

00081 PGM LINES 030 DATA REGS
HEINZ-DIETER SCHMITT
D - HOMBERG/EFZE

20112 LBL "BIO"
C

IN DER ANNAHME, DASS DER MENSCH EINEM BIOLOGISCHEN RYTHMUS UNTERWORFEN IST, DER SINUSFOERMIG VERLAUFEN SOLL (D.H. AM GEBURTSTAG SIND ALLE WERTE GLEICH NULL), WURDE DIESES PROGRAMM AUFGESTELLT,WEITERHIN IN DER ANNAHME, DASS ALLE 23 TAGE EIN PHYSISCHES HOCH; ALLE 28 TAGE EIN SEELISCHES HOCH UND ALLE 33 TAGE EIN INTELLEKTUELLES HOCH STATTFINDET.

00099 PGM LINES 006 DATA REGS
ARNOLD GUENTHER
D - ESSLINGEN-ZELL

20113 ERSTELLEN EINER FUSSBALLTABELLE NACH EINGABE EINES SPIELTAGS
C

20113 (CONTD)

NACH EINGABE EINER GEWISSEN ANZAHL VON SPIELEN,ERRECHNET DAS PROGRAMM, VON EINER ANFAENGLICHEN TABELLE AUSGEHEND, DIE DARAUS RESULTIERENDE TABELLE, DIE DANN AUF MAGNETKARTE GESPEICHERT WERDEN KANN.

00277 PGM LINES 000 DATA REGS
CLAUDE ROELTGEN
LUX - MONDERCANGE

20114 NIM-SPIEL
C

SIE SPIELEN GEGEN DEN COMPUTER. DER HP-41C ERZEUGT EINE ZUFALLSZAHL ZWISCHEN 111 UND 999. NUN ZIEHEN SIE UND DER COMPUTER ABWECHSELND BETRAEGE VON EINER DER DREI ZIFFERN AB.
WER AUF 001 KOMMT, HAT GEWONNEN.

00270 PGM LINES 006 DATA REGS
EDMUND WEITZ
D - ESSINGHAUSEN

20115 BIORHYTHMUS
C

MIT DIESEM PROGRAMM KOENNEN SIE FUER JEDEN TAG IHRE BIORHYTHMEN, ALSO IHRE PHYSISCHEN, EMOTIONELLEN UND GEISTIGEN HOECHST- UND TIEFSTPUNKTE BERECHNEN.
VIELLEICHT HILFT IHNEN DIES, ENTSCHEIDUNGEN ZU TREFFEN. (ICH BIN JEDOCH NICHT SCHULD, WENN ES IN DIE HOSE GEHT!!)

00163 PGM LINES 017 DATA REGS
EDMUND WEITZ
D - ESSINGHAUSEN

20116 RENNFAHRER-SPIEL
C

BEI DIESEM SPIEL HAT DER OPERATOR EINEN RENNWAGEN IN DER HAND.DIESER WAGEN MUSS IN MOEGLICHST KURZER ZEIT UEBER EINE BESTIMMTE STRECKE GEFAHREN WERDEN. DER OPERATOR HAT HIERBEI DIE MOEGLICHKEIT,ZU BREMSEN GAS ZU GEBEN & GAENGE EINZULEGEN. EIN WEITERER VORTEIL DES SPIELS IST ES, DASS DER OPERATOR SOWOHL DIE LAENGE ALS AUCH DIE ART DER STRECKE SELBST BESTIMMEN KANN.FUER JEDE SEKUNDE DES RENNENS WERDEN FOLGENDE DATEN ANGEZEIGT:UMDREHUNGEN PRO MINUTE, TEMPO IN KM/H, ZURUECKGELEGTE STRECKE IN M.

00211 PGM LINES 008 DATA REGS
EDMUND WEITZ
D - ESSINGHAUSEN

20117 PLOT
C

"PLOT" BESTIMMT YMIN UND YMAX SELBSTSTAENDIG UNTER AUSNUETZUNG DER MAXIMALEN PLOT-BREITE. ZEICHNET ACHSE NUR WENN YMIN<=ACHSE<=YMAX. (KEINE FEHLER MELDUNG WENN BEDINGUNG NICHT ERFUELLT!)
DRUCKT AUF VERLANGEN FUNKTIONSWERTE

00140 PGM LINES 014 DATA REGS
MICHAEL WANDL
A - WIEN

20118 TEST VON WAHRHEITSWERTEFUNKTIONEN
C

DAS PROGRAMM UEBERPRUEFT, BEI WELCHER VERTEILUNG DER WERTE 0(=FALSCH) UND 1(=WAHR) EINE VORGEGEBENE LOGISCHE VERKNUEPFUNG VON BIS ZU 9 AUSSAGEN (WAHRHEITSWERTEFUNKTION) WAHR (D.H. DASS DIE ZUGEHOERIGE WAHRHEITSWERTEFUNKTION VOM WERT 1 IST.) IST.

00127 PGM LINES 012 DATA REGS
DIRK HOPPENAU
D - BORKEN

20119 DRUCK BIORHYTHMEN
C

DAS PROGRAMM BERECHNET NACH VORGABE GEBURTS- SOWIE ANFANGS- UND ENDDATUM DIE WERTE FUER DIE BIORHYTH-

PROGRAM ABSTRACTS

20119 (CONTD)

MEN "KOERPERLICH", "SEELISCH" UND "GEISTIG" UND DRUCKT ENTWEDER AUTOMATISCH DIE ZUGEHOERIGEN KURVEN MIT TITELVORSPANN UND INDIVIDUELLEN SONDERZEICHEN ODER ZEIGT DIESE WERTE NACH FORTLAUFENDEN TAGEN IN ALPHA-NUMERISCHER DARSTELLUNG AN.

00203 PGM LINES 077 DATA REGS
MANFRED MICKOTEIT
D - KOBLENZ

20120 FORMEL I
C

DER FAHRER HAT EINEN FORMEL-I-WAGEN IN DER HAND UND MUSS MOEGLICHST SCHNELL EINE STRECKE BELIEBIGER DISTANZ ZURUECKLEGEN. ER SIEHT DABEI DIE STRECKE VOR SICH, AUS DER SICHT DES FAHRERS. ER KANN 1/3 UND VOLL GAS GEBEN, SOWIE BREMSEN (EBENFALLS 1/3 UND VOLL), KANN MIT KONSTANTER GESCHWINDIGKEIT WEITERFAHREN, KANN NACH RECHTS UND NACH LINKS LENKEN UND ER KANN SCHALTEN.
REFERENZ: HP-67-PROGRAMM VON
JEAN THIBERGE
CIRAM
F - 5-107 CHERBOURG

00249 PGM LINES 017 DATA REGS
EDMUND WEITZ
D - ESSINGHAUSEN

20121 NIM II
C

DIESES IST EINE DER VIELEN VERSIONEN DES NIM-SPIELS. DER RECHNER ERZEUGT 3 ZUFAELLIGE ZIFFERN BZW. ZAHLEN. RECHNER UND SPIELER KOENNEN NUN ABWECHSELND JEWEILS EINE BELIEBIGE DIESER ZAHLEN VERKLEINERN. WER AUF 000 KOMMT HAT GEWONNEN.

00191 PGM LINES 013 DATA REGS
EDMUND WEITZ
D - ESSINGHAUSEN

20122 EWA
C

DIESES PROGRAMM FUEHRT EINE EINFAKTORIELLE VARIANZANALYSE FUER BELIEBIG VIELE GRUPPEN UND DATEN DURCH & BERECHNET DAS SIGNIFIKANZNIVEAU. AUSSERDEM KOENNEN NAEHERUNGSWEISE DIE PROZENTWERTE DER VERTEILUNGSFUNKTIONEN VON F-VERTEILUNG, X**2-VERTEILUNG UND STANDARDNORMALVERTEILUNG BERECHNET WERDEN.

00225 PGM LINES 007 DATA REGS
ROLF PAUSCH
D - NUERNBERG

20123 DEC-BIN
C

DIESES PROGRAMM WANDELT NATUERLICHE ZAHLEN N IN DIE ENTSPRECHENDE BINAERDARSTELLUNG UM.

00076 PGM LINES 011 DATA REGS
PETER MERTINATSCH
D - WOLFSBURG

20124 GEWICHTE
C

MIT DIESEM PROGRAMM KOENNEN 10 VERSCHIEDENE UMWANDLUNGEN VON GEWICHTSEINHEITEN (ENGL., AMERIK. UND DEUTSCHE) DURCHGEFUEHRT WERDEN.

00107 PGM LINES 000 DATA REGS
ROLF SCHOENENBERG
D - HANNOVER

20125 HOHLRAEUME
C

MIT DIESEM PROGRAMM KOENNEN 10 VERSCHIEDENE UMWANDLUNGEN VON HOHLRAUMMASSEN (ENGL., AMERIK. UND DEUTSCHE) DURCHGEFUEHRT WERDEN.

00107 PGM LINES 000 DATA REGS
ROLF SCHOENENBERG
D - HANNOVER

20126 SONNENAUF- UND UNTERGANG
C

DAS PROGRAMM BERECHNET IN ABHAENGIGKEIT DER GEOGRAPHISCHEN KOORDINATEN UND DES DATUMS DIE ZEIT GMT FUER SONNENAUF- UND UNTERGANG.

00090 PGM LINES 033 DATA REGS
MANFRED MICKOTEIT
D - KOBLENZ

20127 4-FUNKTIONEN-PLOTTER
C

OFT IST ES ERFORDERLICH, MEHRERE FUNKTIONEN IN EINEM DIAGRAMM DARZUSTELLEN. DIESES PROGRAMM PLOTTET BIS ZU 4 FUNKTIONEN GLEICHZEITIG MIT VERSCHIEDENEN DRUCKSYMBOLEN. DADURCH IST EINE UEBERSICHTLICHE DARSTELLUNG VON FUNKTIONENSUMMEN ETC. MOEGLICH.

00284 PGM LINES 014 DATA REGS
ROLF-DIETER PAHLEN
D - BERLIN

20128 BIORYTHMUS (FORTLAUFEND)
C

"BIORYTHMUS" BERECHNET UNTER VERWENDUNG DES PROGRAMMS "KALENDERBERECHNUNGEN" AUS DER HP-41 STANDARTPROGRAMMSAMMLUNG FORTLAUFEND IHREN BIORYTHMUS.
BEI ANSCHLUSS DES HP-82143A PRINTERS ERFOLGT EIN AUSDRUCK

00090 PGM LINES 010 DATA REGS
MICHAEL WANDL
A - WIEN

20129 BASISUMRECHNUNG IN
C

DAS PROGRAMM GESTATTET, EINE POSITIVE REELLE ZAHL ZU EINER BELIEBIGEN BASIS R IN EINE ANDERE BASIS S UMZURECHNEN, WOBEI 2<=R,S<=10000 SEIN SOLLTEN.

00118 PGM LINES 005 DATA REGS
STEFAN RAPP
D - KAARST

20130 KALENDER-AUSDRUCK
C

DIESES PROGRAMM DRUCKT IN DEUTSCH KALENDER FUER BELIEBIGE MONATE ZWISCHEN MAERZ 1900 UND JANUAR 2100 (WIE PROGRAMM 10010-41C; BENOETIGT JEDOCH NUR EIN SPEICHERMODUL). DRUCKERBENUTZUNG ZWINGEND.

00215 PGM LINES 008 DATA REGS
FRANK OSTROWSKI
D - HODENHAGEN

20131 SEGELFLUGNAVIGATION I
C

AUS DEN EINGABEN WIND, FLUGZEUGTYP, RWK & MITTLERES STEIGEN ERRECHNET DAS PROGRAMM DIE ZUR FLUGVORBEREITUNG NOETIGEN WERTE REISEGESCHWINDIGKEIT,RWWK,MWWK & GESCHWINDIGKEIT UEBER GRUND. NACH DER EINGABE DISTANZ WIRD DIE FLUGZEIT BERECHNET. SAEMTLICHE EINGABEN WERDEN GESPEICHERT & STEHEN FUER BELIEBIG VIELE RECHNUNGEN ZUR VERFUEGUNG.DAS PROGRAMM SEGELFLUGZEUGPOLARE WIRD ALS UNTERPROGRAMM BENOETIGT. FUER WEITERE BERECHNUNGEN (ENDANFLUEGE ETC) STEHT DAS PROGRAMM SEGELFLUGNAVIGATION II ZUR VERFUEGUNG.

00090 PGM LINES 026 DATA REGS
KARSTEN MARX
D - BIELEFELD

20132 AUSWERTUNG VON KLASSENARBEITEN
C

DAS PROGRAMM SUMMIERT DIE VON JEDEM SCHUELER IN EINER KLASSENARBEIT ERREICHTEN PUNKTZAHLEN UND WERTET GLEICHZEITIG JEDE EINZELNE AUFGABE DES TESTS NACH SCHWIERIGKEITSGRAD UND TRENNSCHAERFE AUS. FUER DEN GESAMTEN TEST WERDEN DIE ANZAHL DER ARBEITEN, DIE DURCHSCHNITTLICH ERREICHTE PUNKTZAHL, DIE STANDARD-

20132 (CONTD)

ABWEICHUNG UND DER SCHWIERIGKEITSGRAD DES TESTS ERMITTELT.

00176 PGM LINES 040 DATA REGS
REINHARD ATZBAH
D - HOHENSTEIN

20133 DREIECKSBERECHNUNGEN UEBER DEN NAMEN DER STUECKE
C

DAS PROGRAMM ORDNET DIE DREIECKSSEITEN A,B,C DEN LABELS A,B,C UND DIE DREIECKSWINKEL ALPHA, BETA, GAMMA DEN LABELS A,B,C ZU.
ES IST ALSO NICHT NOETIG, SICH GEDANKEN UEBER DIE ANORDNUNG DER EINZELNEN STUECKE ZU MACHEN.DIE REIHENFOLGE DER EINGABEN & ABFRAGEN SIND BELIEBIG. IM FALL SSW UND WINKEL GEGENUEBER KUERZERER SEITE WERDEN AUTOMATISCH BEIDE LOESUNGNEN ANGEZEIGT. ZUM SCHLUSS KANN UEBER LABEL E DIE FLAECHE DES DREIECKS BESTIMMT WERDEN.

00289 PGM LINES 019 DATA REGS
REINHARD ATZBACH
D - HOHENSTEIN

20134 CANNON-SHOT
C

ZEIGEN SIE, DASS SIE EIN GUTER ARTILLERIST SIND. SIE HABEN EINE KANONE MIT 20KM REICHWEITE UND DREI VERSCHIEDENE SPRENGSAETZE.VERSUCHEN SIE, DAS SICH AUF SIE ZU BEWEGENDE OBJEKT ZU ELIMINIEREN. ICH WUENSCHE IHNEN VIEL GLUECK, DAMIT SIE SIEGEN - ODER SOLLTEN SIE FLIEHEN MUESSEN, WEIL SIE IHRE MUNITION VERSCHOSSEN HABEN?

00103 PGM LINES 000 DATA REGS
HANS-JUERGEN FRENZEL
D - BAD HOMBURG

20135 ROEMISCHE ZAHLEN
C

DIESES PROGRAMM WANDELT ARABISCHE IN ROEMISCHE ZAHLEN UM.

00213 PGM LINES 000 DATA REGS
HANS-JUERGEN FRENZEL
D - BAD HOMBURG

20136 UHR
C

DAS PROGRAMM MACHT AUS EINEM HP-41C EINE UHR MIT WECKFUNKTION.
DA DIE GENAUIGKEIT AUF DEN EINZELNEN RECHNERN UNTERSCHIEDLICH SEIN KOENNTE, KANN DIESE SELBST EINGESTELLT WERDEN.

00105 PGM LINES 033 DATA REGS
URS ZEUGIN
CH - BASEL

20137 KASSE
C

PROGRAMM ZUM ERSTELLEN EINER MONATLICHEN (WOECHENTLICHEN ODER TAEGLICHEN) KASSENABRECHNUNG MIT DRUCKER 82143A.

00128 PGM LINES 000 DATA REGS
ELK-DETLEF GOLZ
D - LUEDENSCHEID

20138 DREI KURVEN GLEICHZEITIG PLOTTEN
C

DAS PROGRAMM DRUCKT MIT DEN ZEICHEN X,+ UND O GLEICHZEITIG DREI KURVEN. ES BESTIMMT SELBER DIE OBEREN UND UNTEREN GRENZEN DES Y-MASSTABES. NACH EINEN ERSTEN AUSDRUCK KOENNEN Z.B. KURVENSCHNITTPUNKTE VERGROESSERT AUSGEDRUCKT WERDEN.

00240 PGM LINES 023 DATA REGS
HANSPETER BERNET
CH - BERN

20139 KOMPLEXE OPERATIONEN ZWEIER VARIABLEN
C

20139 (CONTD)

DAS PROGRAMM BERECHNET AUS ZWEI KOMPLEXEN VARIABLEN DIE SUMME, DIE DIFFERENZ, ODER MULTIPLIZIERT, DIVIDIERT, POTENZIERT, RADIZIERT UND BERECHNET DEN LOGARITHMUS AUS X ZUR BASIS Y.

00207 PGM LINES 010 DATA REGS
SILVANO D'ORAZIO
CH - ZOFINGEN

20140 **KOMLEXE FUNKTIONEN EINER VARIABLEN**
C

DAS PROGRAMM BERECHNET DAS QUADRAT, DIE QUADRATWURZEL, DEN KEHRWERT, DIE NATUERLICHEN LOGARITHMEN UND IHRE UMKEHRUNG, DIE DEKADISCHEN LOGARITHMEN UND IHRE UMKEHRUNG, AUSSERDEM DIE POLARFORM VON X IN RADIANT, ALTGRAD UND NEUGRAD EINER BELIEBIGEN KOMPLEXEN ZAHL X.

00208 PGM LINES 006 DATA REGS
SILVANO D'ORAZIO
CH - ZOFINGEN

20141 **ROTATION**
C

TESTEN SIE IHRE REAKTION MIT DEM HP-41C! DER RECHNER ZEIGT IN SEHR SCHNELLER FOLGE VERSCHIEDENARTIGE SYMBOLKETTEN AN. VERSUCHEN SIE DIE FOLGE BEI EINEM VORGEGEBENEN CODE ZU STOPPEN.
DIESES SPIEL ERFORDERT EIN HOHES MASS AN KONZENTRATION UND REAKTIONSVERMOEGEN.

00200 PGM LINES 005 DATA REGS
ROLF-DIETER PAHLEN
D - BERLIN

20142 **'NIMM'-SPIEL**
C

VON 12 GEGEBENEN STEINEN WERDEN ABWECHSELND VOM SPIELER UND RECHNER 1,2 ODER 3 STEINE GENOMMEN.
VERLIERER IST,WER DEN LETZTEN STEIN NEHMEN MUSS.
ES ERFOLGT EINE UEBERSICHTLICHE DARSTELLUNG DES SPIELVERLAUFS MIT DEM DRUCKER. EIN MEMORY-MODUL IST ERFORDERLICH.

00242 PGM LINES 004 DATA REGS
ROLF-DIETER PAHLEN
D - BERLIN

20143 **WUERFELSPIEL**
C

DAS PROGRAMM ERRECHNET ZWEI MAL UEBER DEN ZUFALLSGENERATOR 5 WUERFELAUGEN, WOBEI ES VOM ERSTEN WURF DIE 5ER UND 6ER BEHAELT, UND ZEICHNET DIESE AUF DEM PRINTER 82143A.
SIE MUESSEN IN MAX. VIER WUERFEN DIE AUGENSUMME DES PROGRAMMS UEBERBIETEN, WOBEI SIE EBENFALLS NACH JEDEM WURF ENTSCHEIDEN KOENNEN WELCHE WUERFEL SIE BEHALTEN MOECHTEN.
BEI DIESEM SPIEL KOENNEN SIE EINEN EINFACHEN ODER DOPPELTEN EINSATZ GEWINNEN, ABER AUCH EINEN BIS ZU DREIFACHEN BETRAG VERLIEREN.

00225 PGM LINES 100 DATA REGS
URS ZEUGIN
CH - BASEL

20144 **HYPERBELFUNKTIONEN**
C

BERECHNUNG VON 6 VERSCHIEDENEN HYPERBELFUNKTIONEN UND IHREN UMKEHRFUNKTIONEN.

00127 PGM LINES 024 DATA REGS
VASSILIS PREVELAKIS
GR - ATHENS

20145 **EULERSCHE GAMMAFUNKTION**
C

NAEHERUNGSWEISE BERECHNUNG DER EULERSCHEN GAMMAFUNKTION GAMMA(X) FUER 1<=X<=70

00073 PGM LINES 024 DATA REGS
VASSILIS PREVELAKIS

20145 (CONTD)

GR - ATHENS

20146 **GLEICHUNG 2. U. 3. GRADES**
C

DIESES PROGRAMM BESTIMMT SOWOHL ALLE REELLEN ALS AUCH KOMPLEXEN LOESUNGEN VON GLEICHUNGEN 2. U. 3. GRADES.

00356 PGM LINES 010 DATA REGS
BAIER BERNHARD
A - GRAZ

20147 **FUSSBALLMEISTERSCHAFT**
C

DIESES PROGRAMM ERSTELLT AUF GRUND VON GEGEBENEN SPIELERGEBNISSEN EINE TABELLE

00330 PGM LINES 043 DATA REGS
BAIER BERNHARD
A - GRAZ

20148 **MORSE DECODER**
C

DAS PROGRAMM WANDLET MORSEZEICHEN, DIE UEBER DIE TASTATUR EINGEGEBEN WERDEN, IN (ALPHA)-NUMERISCHE ZEICHEN UM.

00204 PGM LINES 005 DATA REGS
RALF PFIEFER
D - KOELN

20149 **ABLEITUNG:PRODUKT- UND QUOTIENTEN-REGEL FUER POLYNOME**
C

FUER POLYNOME BERECHNET DAS PROGRAM DIE PRODUKTREGEL (U(X)V(X))'= U'(X)V(X)+V'(X)U(X) UND DEN ZAEHLER DER QUOTIENTENREGEL:(U(X)/V(X))= U'(X)V(X)-V'(X)U(X) FUER POLYNOME

00167 PGM LINES 000 DATA REGS
RALF PFEIFER
D - KOELN

20150 **RICHTUNGS- UND ENTFERNUNGSBERECH-NUNG AUS QTH-KENNERN**
C

DIESES PROGRAMM ERMITTELT RICHTUNG UND ENTFERNUNG ZWISCHEN 2 GEOGRAPHISCHEN STANDORTEN, DIE ALS QTH-KENNER ANGEGEBEN SIND. EIN QTH-KENNER WIRD ALS EIGENER STANDORT UEBER EIN FLAG GESTEUERT EINGEGEBEN UND BLEIBT IM LANGZEITSPEICHER ERHALTEN -FUER WEITERE ENTFERNUNGS- UND RICHTUNGSBERECHNUNGEN BRAUCHT DANN NUR NOCH DER FREMDE QTH-KENNER EINGEGEBEN ZU WERDEN.

00434 PGM LINES 048 DATA REGS
HANS STAUDENMAIER
D - GEISLINGEN

20151 **KREDITPAUSCHALRATEN**
C

DIESES PROGRAMM DIENT ZUR BERECHNUNG VON MONATLICHEN PAUSCHALRATEN FUER ABSTATTUNGSKREDITE, BEI DENEN DIE EINZAHLUNGSTERMINE NICHT MIT DEN ZINSTERMINEN ZUSAMMENFALLEN.
DURCH SETZEN EINES FLAGS KANN BESTIMMT WERDEN, OB DIE MONATLICHEN EINZAHLUNGEN PRO BEGINN ODER ENDE DES MONATS ERFOLGEN SOLLEN.

00072 PGM LINES 018 DATA REGS
BERNHARD ANDRICH
A - PUCH

20152 **ERMITTLUNG DER ROHRREIBUNGSVERLUSTE NACH PRANDTL-COLEBROOK**
C

DAS PROGRAMM ERMITTELT DIE ROHRREIBUNGSVERLUSTE, REYNOLDS-ZAHL, NACH PRANDTL-COLEBROOK, DURCH EINGABE VON Q-WASSERMENGE IN M3/SEK, D-DIAMETER IN MM,L-LAENGE IN M, K-AEQUIVALENTE RAUHEIT IN MM, V-NY-ZAEHIGKEIT

00117 PGM LINES 029 DATA REGS
L SIGAARD-MADSEN
D - FLENSBURG-WEICHE

20153 **REALE GASE NACH V. D. WAALS**
C

DIESES PROGRAMM BERECHNET DIE ZUSTANDSGROESSEN (DRUCK, TEMPERATUR UND VOLUMEN) DER REALEN GASE SOWIE DIE MOLZAHL N NACH DER VAN DER WAALSSCHEN GASGLEICHUNG. DIE BERECHNUNG GILT FUER EINEN TEMPERATURBEREICH, IN DEM NUR EINE REELEE LOESUNG AUFTRITT (T>TK)

00253 PGM LINES 015 DATA REGS
RIKARD BROZOVIC
D - KOELN

20154 **ORDNEN**
C

DIESES PROGRAMM SORTIERT EINGEGEBENE ZAHLENWERTE IN NUMERISCHER REIHENFOLGE. DIE WERTE KOENNEN IN AUFSTEIGENDER UND/ODER ABSTEIGENDER REIHENFOLGE AUSGEGEBEN WERDEN.

00127 PGM LINES 011 DATA REGS
MICHAEL SCHLEY
D - BERLIN

20155 **BIN-DEC**
C

DIESES PROGRAMM WANDELT DUALZAHLEN IN DEZIMALZAHLEN UM.

00061 PGM LINES 005 DATA REGS
PETER MERTINATSCH
D - WOLFSBURG

20156 **HELMERTTRANSFORMATION**
C

DIESES PROGRAMM FUEHRT EINE AEHNLICHKEITSTRANSFORMATION FUER MEHR ALS 2 IDENTISCHE PUNKTE DURCH. (HELMERT-TRANSF.) DREHWINKEL, MASSTABSFAKTOR, TRANSLATION IN DEN BEIDEN KOORDINATENRICHTUNGEN WERDEN SO GEWAEHLT, DASS DIE QUADRATSUMME DER RESTKLAFFUNGEN NACH DER TRANSF. ZUM MINIMUM WIRD.
ANZAHL DER IDENTISCHEN PUNKTE KLEINER OD. GLEICH 20

00269 PGM LINES 164 DATA REGS
HERBERT LANDAU
D - DARMSTADT

20157 **MASTERMIND**
C

DIESES PROGRAMM ERRECHNET EINE ZUFALLSZAHL UND FORDERT SIE DANN AUF, DIESE ZU ERRATEN. DER RECHNER VERGLEICHT DIE BEIDEN ZAHLEN UND GIBT IHNEN HINWEISE AUF DIE RICHTIGKEIT, DER VON IHNEN EINGEGEBENEN.

00171 PGM LINES 053 DATA REGS
WOLFRAM STROHSCHEIN
A - WIESELBURG

20158 **ARABISCHE IN ROEMISCHE ZAHLEN**
C

DIESES PROGRAMM WANDELT ARABISCHE ZAHLEN (1237) IN ROEMISCHE ZIFFERN UM (MCCXXXII).

00100 PGM LINES 011 DATA REGS
ULF JERICHO
D - REMSCHEID

20159 **MONDLANDUNG**
C

MIT DIESEM PROGRAMM KANN MAN THEORETISCH EINE MONDLANDUNG NACHVOLLZIEHEN

00124 PGM LINES 048 DATA REGS
SIEGRIED MUELLER
D - KASSEL

20160 **KEGELBERECHNUNG**
C

DIESES PROGRAMM ERRECHNET VOLUMEN, OBERFLAECHE UND MANTEL EINES SENKRECHTEN KEGELS, WENN 2 GROESSEN BEKANNT SIND

00173 PGM LINES 052 DATA REGS

20160 (CONTD)

MARC BUTTKEREIT
D - LEINFELDEN

20161 ROEMISCHE ZIFFERN-ARABISCHE ZIFFERN
C

DAS PROGRAMM WANDELT NATUERLICHE ZAHLEN, DIE MIT ROEMISCHEN ZIFFERN GESCHRIEBEN WURDE, IN EINE ZAHL MIT ARABISCHEN ZIFFERN, UND UMGEKEHRT, UM.

00182 PGM LINES 008 DATA REGS
RAIMUND BERG
D - KREUZTAL

20162 GAUSSCHER ALGORITHMUS FUER NXM MATRIZEN
C

STARK VERBESSERTE VERSION DES HP-97 PROGRAMMES 65153D. ES BENUTZT DEN GAUSSCHEN ALGORITHMUS ZUR BESTIMMUNG DER (OBEREN) DREIECKS- ODER DER STUFENFORM EINER BELIEBIGEN NXM MATRIX. MIT 1 (2) MEMORY-MODULEN BESTEHEN FOLGENDE MOEGLICHKEITEN: DETERMINANTEN BIS 8X8 (11X11) INVERSIONEN BIS 5X5 (8X8), GLEICHUNGSSYSTEME BIS 7 (10) UNBEKANNTE. PROGRAMM BESITZT KOMFORTABLE EIN/ AUSGABEROUTINE FUER DIE VERSCHIED. ANWENDUNGSFAELLE. AUSFUEHRLICHE DOKOMENTATION (14 SEITEN). PROGRAMM ARBEITET SEHR SCHNELL

00240 PGM LINES 128 DATA REGS
CHRISTIAN FRANKE
D - VOERDE

20163 LABYRINTH (10X10)
C

PROGRAMM ERZEUGT PER ZUFALLSGENERATOR EIN LABYRINTH AUS 10*10 FELDERN. DIE AUFGABE DES SPIELERS BESTEHT DARIN, VOM ANGEGEBENEN STARTFELD ZUM ZIELFELD ZU GELANGEN, OHNE KENNTNIS DES LABYRINTHS. DABEI BEWEGT DER RECHNER SELBSTAENDIG EINE EIGENE SPIELFIGUR DURCH DAS LABYRINTH,& VERSUCHT DEN SPIELER ZU "FANGEN", BEVOR DIESER DAS ZIEL ERREICHT HAT! ABER VORSICHT! DIE FIGUR DES RECHNERS DURCHBRICHT MANCHMAL MAUERN. DIE "STAERKE" DER MAUERN, UND DAMIT DIE HAEUFIGKEIT DES DURCHBRECHENS....

00358 PGM LINES 192 DATA REGS
CHRISTIAN FRANKE
D - VOERDE

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ANWENDUNGS-VERZEICHNIS

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PROGRAM ABSTRACT

KURZBESCHREIBUNG

PRÉSENTATION INDIVIDUELLE

COMPENDIO

PROGRAM ABSTRACTS

25001 AMERICAN WIRE GAUGE (AWG)
C

CE PROGRAMME CONVERTIT LA VALEUR "AWG" EN DIAMETRE EN MILLIMETRES.

00027 PGM LINES 001 DATA REGS
ALAIN BERGER
CH - BOUDRY

25002 GESTION DE PROGRAMMES
C

CE PROGRAMME APPELE "CAT" (CATALOGUE) VOUS DEMANDE VERS QUEL PROGRAMME IL DOIT POSITIONNER VOTRE HP-41C.

00008 PGM LINES 001 DATA REGS
ALAIN BERGER
CH - BOUDRY

25003 POPULATION HUMAINE
C

CE PROGRAMME REALISE UN AJUSTEMENT DE COURBE ET PERMET DE CALCULER LA POPULATION TERRESTRE EN FONCTION DU TEMPS ET VICE-VERSA.

00103 PGM LINES 008 DATA REGS
ALAIN BERGER
CH - BOUDRY

25004 ANNUAIRE TELEPHONIQUE
C

NO DE REGISTRES DE DONNEES= N+1*

00040 PGM LINES 000 DATA REGS
ALAIN BERGER
CH - BOUDRY

25005 CALCUL DE BOBINES
C

CE PROGRAMME CALCUL UNE BOBINE CONNAISSANT CERTAINS PARAMETRES MECANIQUES ET ELECTRIQUES.

00120 PGM LINES 014 DATA REGS
ALAIN BERGER
CH - BOUDRY

25006 CALCUL ET STOCKAGE DES POINTS PENDANT UNE PARTIE DE BELOTE
C

CE PROGRAMME PERMET DE CALCULER ET DE STOCKER LE TOTAL DES POINTS MARQUES PAR LES DEUX EQUIPES. IL SUFFIT DE PRECISER L'EQUIPE QUI DEMANDE, LA NATURE DU COUP (SANS ATOUT, TOUT ATOUT OU NORMAL), LES ANNONCES (S'IL Y EN A) ET LES POINTS MARQUES PAR L'UNE DES DEUX EQUIPES. CE PROGRAMME TRAITE EGALEMENT LES LITIGES.

00179 PGM LINES 009 DATA REGS
YVES LECLUSE
F - DOUVRES

25007 MASTERMIND
C

POUR CE JEU, LE JOUEUR FIXE LA LONGUEUR L DU CODE (1 A 9), LA VALEUR MAXIMALE M DES CHIFFRES (0 A 9) ET, EVENTUELLEMENT UNE GRAINE. LE HP-41C JOUE LE CODEUR ET REPOND A VOS ESSAIS PAR UN NOMBRE DE 2 CHIFFRES DONNANT LE NOMBRE DE CHIFFRES DECOUVERTS, A LEUR PLACE (PARTIE ENTIERE) ET A UNE PLACE DIFFERENTE (PARTIE DECIMALE). REPONSE EN MOINS DE 9 SECONDES POUR L=6 ET M=9

00109 PGM LINES 018 DATA REGS
JEAN THIBERGE
F - CHERBOURG

25008 TRANSFORMEE DE FOURIER DISCRETE
C

CE PROGRAMME CALCULE LA TRANSFORMEE DE FOURIER DISCRETE JUSQU'A 76 POINTS D'UN SIGNAL CONTINU F(T) ENTRE SOUS L'ETIQUETTE F<T>. L'IMPRIMANTE DONNE LA CADENCE D'ECHANTILLONNAGE T, PUIS L'INTERVALLE DELTA-OMEGA SEPARANT 2 RAIES CONCECUTIVES ET LE SIGNAL SOUS FORME ECHANTILLONNEE. IL CALCULE ALORS LES COMPOSANTES DU SPECTRE

25008 (CONTD)

DISCRET ET TRACE LE MODULE /F(K)/

00155 PGM LINES 135 DATA REGS
YVES LECLUSE
F - DOUVRES LA DELIVRANDE

25009 AJUSTEMENT DE COURBES (MANUEL ET/OU AUTOMATIQUE) 1B1T R/2 A B
C

CE PROGRAMME AJUSTE DES DONNEES AUX 4 EQUATIONS SUIVANTES Y=AX+B; Y=AE**BX; Y=A+LNX; Y=AX**B.
LES COUPLES (XI,YI) NE SONT A INTRODUIRE QU'UNE SEULE FOIS POUR LES 4 AJUSTEMENTS, CORRECTIONS POSSIBLES.
ESTIMATIONS X/Y ET Y/X
CE PROGRAMME EN MODE AUTOMATIQUE DONNE L EQUATION DONC LE COEFFICIENT DE CORRELATION EST LE PLUS PROCHE DE I.

00269 PGM LINES 082 DATA REGS
MARC MAIZIER
F - PARIS

25010 SCRABBLE
C

COMPTE LES POINTS DE 5 JOUEURS DE SCRABBLE ET LE TEMPS DE REFLEXION EMPLOYE PAR CHACUN PEUT ETRE UTILISE POUR 2 JOUEURS SEULEMENT,OU 3 OU 4 ET FACILEMENT ADAPTE POUR PLUS DE 5.

00167 PGM LINES 048 DATA REGS
ELIE MADEUF
F - USSEL

25011 SERILOG
C

CALCUL: SOMME 1N N, SOMME LOG N SOMME 1N(2N-1), SOMME LOG (2N-1) AINSI QUE: N! ET PRODUIT (2N-1) ET APN,CPN. QUELQUESOIT LE CALCUL N DOIT ETRE INFERIEUR A 10**98. LA VITESSE DE CALCUL EST IDENTIQUE POUR UN MEME PROGRAMME ET VARIE DE 10 A 33 SECONDES MAXIMUM. LA PRECISION DU RESULTAT EST D'AU MOINS 9 CHIFFRES SIGNIFICATIFS.

00134 PGM LINES 060 DATA REGS
FREDERIC BROUARD
F - CHARENTON

25012 SMAD
C

CE PROGRAMME SE COMPORTE COMME LE SUPER MASTER MIND MAIS UTILISE 10 CHIFFRES DIFFERENTS (DE 0 A 9 INCLUS) ET 5 POSITIONS, MAIS VOUS N'AVEZ QUE 12 ESSAIS SINON VOUS AVEZ PERDU. CE PROGRAMME EST TRES SIMPLE D'UTILISATION IL SUFFIT D'INTRODUIRE LA COMBINAISON QUE VOUS VOULEZ ET TOUS SE PASSE AUTOMATIQUEMENT. AU TOTAL 8 PAGES DE DOCUMENTATION.

00142 PGM LINES 063 DATA REGS
FREDERIC BROUARD
F - CHARENTON

25013 NOMBRES ARABES - NOMBRES ROMAINS
C

CE PROGRAMME CONVERTIT UN NOMBRE X ARABE EN SON EQUIVALENT EN LETTRE (ROMAIN).

00084 PGM LINES 031 DATA REGS
MARC MAIZIER
F - PARIS

25014 NOMBRES ROMAINS - NOMBRES ARABES
C

CE PROGRAMME CONVERTIT UN NOMBRE ROMAIN (LETTRE) EN SON EQUIVALENT EN CHIFFRES ARABES.

00080 PGM LINES 027 DATA REGS
MARC MAIZIER
F - PARIS

25015 FACTEURS PREMIERS
C

25015 (CONTD)

CE PROGRAMME DONNE LA DECOMPOSITION EN FACTEURS PREMIERS D'UN NOMBRE, LA LISTE DES NOMBRES PREMIERS DE 1A N... ET CALCULE LE PLUS PETIT COMMUN MULTIPLE (PPCM), ET LE PLUS GRAND COMMUN DIVISEUR DE 2 NOMBRES ENTIERS - PROGRAMME ASSEZ RAPIDE

00135 PGM LINES 008 DATA REGS
KARIM CABBABE
F - PARIS

25016 CALCUL A LA RUPTURE - FLEXION SIMPLE LBL T FLSI
C

CE PROGRAMME DETERMINE SELON LA THEORIE DE LA RUPTURE, L'ARMATURE NECESSAIRE POUR ARMER UNE POUTRE EN B.A. SOUMIS A UN MOMENT DE FLEXION. LE PROGRAMME EFFECTUE LA RESOLUTION DE L'EQUATION DU SECOND DEGRE ET LES OU LE RESULTAT(S) SONT (EST) COMPARE(S) DE PLUS A UN POURCENTAGE LIMITE D'ARMATURE. SI CE DERNIER CONVIENT, LA SECTION D'ACIER EST AFFICHEE, SINON LES DONNEES SONT REDEMANDEES.

00107 PGM LINES 008 DATA REGS
BERRUT SERGE
CH - TROISTORRENTS

25017 FADIMU
C

TROIS DIFFERENTES OPERATIONS:
1-CALCUL DE FACTORIELLE POUR GRANDS NOMBRES
2-DIVISION DECIMALE AVEC PRECISION ETENDUE A 27 CHIFFRES DECIMAUX, PERMETTANT DE DECELER LE RETOUR PERIODIQUE DES MEMES CHIFFRES
3-MULTIPLICATION DE DEUX NOMBRES, L'UN DE 10 CHIFFRES, L'AUTRE DE 9 ET MEME 10 CHIFFRES.

00192 PGM LINES 048 DATA REGS
ELIE MADEUF
F - USSEL

25018 CALCULS QUARTZ "QUARTZ"
C

CE PROGRAMME CALCULE LES PARAMETRES D'UN QUARTZ CONNAISSANT UNE PARTIE DES AUTRES
(SOLUTION INTERCHANGEABLE)

00215 PGM LINES 025 DATA REGS
ALAIN BERGER
CH - BOUDRY

25019 SCHEMA EQUIVALENT "Q+CL"
C

CE PROGRAMME CALCULE LE SCHEMA EQUIVALENT D'UN QUARTZ EN SERIE AVEC UNE CAPACITE DE TIRAGE CL.

00101 PGM LINES 025 DATA REGS
ALAIN BERGER
CH - BOUDRY

25020 II - PARAMETRES QUARTZ "PI-Q"
C

CE PROGRAMME CALCULE LES PARAMETRES DYNAMIQUES D'UN QUARTZ EN FONCTION DE MESURES FAITES SUR UN PONT EN II AGREE PAR LE CEI.

00219 PGM LINES 025 DATA REGS
ALAIN BERGER
CH - BOUDRY

25021 3E DEG
C

CE PROGRAMME PERMET L'ANALYSE D'UNE FONCTION DU 3E DEGRE DONT LES COEFFICIENTS SONT CONNUS.

00259 PGM LINES 025 DATA REGS
ALAIN BERGER
CH - BOUDRY

25022 VISCOSITE, LIBRE PARCOURS MOYEN, CONVERSIONS DE TEMPERATURE "VISCO"
C

CE PROGRAMME CALCULE LA VISCOSITE DES GAZ ET LE LIBRE PARCOURS MOYEN

25022 (CONTD)

D'UNE MOLECULE DANS CES GAZ ET CONVERTIT 3 TEMPERATURES DIFFERENTES L'UNE EN L'AUTRE.

00182 PGM LINES 025 DATA REGS
ALAIN BERGER
CH - BOUDRY

25023 MACHINE A SOUS
C

CETTE MACHINE A SOUS POSSEDE: 12 COMBINAISONS DE 3 CARACTERES GAGNANTS DONT UNE FAIT UN GAIN MYSTERIEUX, 3 COMBINAISONS DE 2 CARACTERES GAGNANT ET 2 COMBINAISONS DE 2 CARACTERES GAGNANT. SI VOUS N'AVEZ PAS GAGNE VOUS POUVEZ AU COUP SUIVANT CONSERVER L'UN QUELCONQUE DE VOS CARACTERES.

00186 PGM LINES 010 DATA REGS
BROUARD FREDERIC
F - CHARENTON

25024 EVALUATION DU JEU DE TAROT
C

CE PROGRAMME EVALUE L'ENCHERE MAXIMALE QU'UN JOUEUR PEUT DEMANDER AU VU D'UN CERTAIN NOMBRE DE SES CARTES OU DE CONFIGURATION PARTICULIERE DE CARTES. (OUDLERS, ATOUTS MAJEURS ET MINEURS, TETES, COUPES, SINGLETTE LONGUE...) CE PROGRAMME DONNE DES RESULTATS INTERRESSANTS QUELQUESOIT LE NOMBRE DE JOUEURS (3 4 OU 5)

00116 PGM LINES 001 DATA REGS
BROUARD FREDERIC
F - CHARENTON

25025 CRYPTOGRAPHIE A CLEF REVELEE
C

CE PROGRAMME TRANSCRIT EN CHIFFRE UN MESSAGE DONNE EN LETTRE. IL EST ABSOLUMENT INDECRYPTABLE DU FAIT DE L'UTILISATION DE GENERATEURS PSEUDO ALEATOIRES PROGRAMMABLE A CLEF D'ENTREE REVELEE. LA DOCUMENTATION COMPRENDS 11 PAGES, ET 2 EXEMPLES.

00229 PGM LINES 005 DATA REGS
BROUARD FREDERIC
F - CHARENTON

25026 COMPORTEMENT THERMIQUE D'UN QUARTZ "Q-TEMP"
C

CE PROGRAMME DETERMINE LES CHARACTERISTIQUES DE LA COURBE DE TEMPERATURE D'UN QUARTZ BASSE-FREQUENCE (32KHZ) A SAVOIR LE POINT D'INVERSION, BETA ET R**2

00127 PGM LINES 026 DATA REGS
ALAIN BERGER
CH - BOUDRY

25027 "SANG"
C

CE PROGRAMME CALCULE LES PRESSIONS SYSTOLIQUES ET DIASTOLIQUES POUR L'HOMME ET LA FEMME EN FONCTION DE L'AGE.

00114 PGM LINES 006 DATA REGS
ALAIN BERGER
CH - BOUDRY

25028 MED 1 (MEDECINE 1)
C

CE PROGRAMME CALCULE LA QUANTITE DE CALORIES (KCAL) PAR LITRE D'OXYGENE UTILISE ET LE POURCENTAGE D'HYDRATES DE CARBONES ET DE GRAISSES PAR RAPPORT A L'OXYGENE UTILISE ET A LA PRODUCTION DE CALORIES CONNAISSANT LE COEFFICIENT RESPIRATOIRE (RQ)

00109 PGM LINES 006 DATA REGS
ALAIN BERGER
CH - BOUDRY

25029 MED 2 (MEDECINE 2)

25029 (CONTD)

CE PROGRAMME DETERMINE LA QUANTITE DE CALORIES NECESSAIRES EN FONCTION DE L'AGE, DU POIDS ET DE LA HAUTEUR DE LA PERSONNE CONSIDEREE.

00080 PGM LINES 003 DATA REGS
ALAIN BERGER
CH - BOUDRY

25030 JEUX DU NOMBRE MYSTERIEUX
C

LA MACHINE ET VOUS, PRENEZ UN NOMBRE (LA MACHINE EN GENERE. UN AU HASARD) ET EN VOUS INDIQUANT RESPECTIVEMENT SI VOTRE ESSAI EST TROP PETIT OU TROP GRAND,VOUS DEVEZ TROUVER LE NOMBRE QUE LA MACHINE A CHOISI EN PREMIER, SINON CE SERA ELLE QUI GAGNERA.
AU DEBUT DU JEU VOUS INDIQUEZ A LA MACHINE LA LIMITE SUPERIEURE.

00117 PGM LINES 006 DATA REGS
IMBAULT PATRICK
F - MELUN

25031 DIMENSIONNEMENT DES ROULEMENTS
C

CE PROGRAMME DETERMINE POUR UN TYPE DE ROULEMENT DONNE (BILLE,ROULEAUX, AIGUILLES), SOIT LA DUREE DE VIE LH A PARTIR DES CONDITIONS DE FONCTIONNEMENT,OU LA CAPACITE DE CHARGE DYNAMIQUE C NECESSAIRE.

00107 PGM LINES 006 DATA REGS
MASSON JACQUES
CH - ST SULPICE

25032 RESOLUTION NUMERIQUE DE 2 EQUATIONS A 2 INCONNUES (METHODE DE NEWTON)
C

CE PROGRAMME CALCULE LES SOLUTIONS EXISTANTES POUR UN SYSTEME DE 2 EQUATIONS A 2 INCONNUES PAR UNE METHODE DE NEWTON. QUELQUESOIT CES FONCTIONS ET AVEC UNE PRECISION IMPOSE, PAR L'UTILISATEUR. LE PROGRAMME NECESSITE L'INTRODUCTION DE 2 VALEURS DE DEPART (XO ET YO).
2 EXEMPLES SONT FOURNIS AVEC LA DOCUMENTATION.

00135 PGM LINES 014 DATA REGS
BROUARD FREDERIC
F - CHARENTON

25033 FONCTION DE GAMMA
C

CE PROGRAMME CALCULE LES FONCTIONS BETA GAMMA ET PSI POUR N<70, AVEC UNE PRECISION D'AU MOINS 8 CHIFFRES SIGNIFICATIFS. LA DESCRIPTION COMPORTE 9 PAGES ET 6 EXEMPLES.

00173 PGM LINES 005 DATA REGS
FREDERIC BROUARD
F - CHARENTON

25034 INTEGRATION EN 10 POINTS PAR LA FORMULE DE NEWTON-COTES
C

PROGRAMME D'INTEGRATION RAPIDE DONNANT DE BONS RESULTATS DANS UN TEMPS RELATIVEMENT COURT, TRES PEU ENCOMBRANT. IL A ETE SPECIALEMENT ETUDIE POUR ETRE UTILISE COMME SOUS PROGRAMME DANS UN PROGRAMME GENERALE. IL UTILISE EN TOUT:232 OCTETS REPARTIS EN 13 MEMOIRES ET 74 LIGNES DE PROGRAMME.

00074 PGM LINES 013 DATA REGS
FREDERIC BROUARD
F - CHARENTON

25035 TRANSFORMEE DE FOURIER DISCRETE (TFD) D'UNE SUITE.
C

CE PROGRAMME CALCULE, POUR UNE SUITE DISCRETE REELLE, DE LONGUEUR N, ENTREE AU CLAVIER,LA TRANSFORMEE DE FOURIER DISCRETE CORRESPONDANTE, ET TRACE LE MODULE DU SPECTRE.

00130 PGM LINES 144 DATA REGS

25035 (CONTD)

LECLUSE YVES
F - DOUVRES

25036 SYNTHESE DE FOURIER
C

CE PROGRAMME EFFECTUE UNE SYNTHESE DE FOURIER: QUAND ON ENTRE AU CLAVIER LES COMPOSANTES SPECTRALES FK SOUS FORME COMPLEXE, IL CALCULE N ECHANTILLONS FN TEMPORELS. IL EFFECTUE LA TRANSFORMEE DE FOURIER INVERSE TFDI.

00138 PGM LINES 144 DATA REGS
LECLUSE YVES
F - DOUVRES

25037 OPERATION SUR RATIONNELS
C

CE PROGRAMME FAIT L'ADDITION, LA SOUSTRACTION, LA MULTIPLICATION ET LA DIVISION DE DEUX FRACTIONS.

00157 PGM LINES 014 DATA REGS
KARIM CABBABE & LEROYER GUILLAUME
F - PARIS

25038 SEDIMENTATION "SEDIM"
C

CE PROGRAMME DETERMINE DIFFERENTS PARAMETRES CONCERNANT DES MOLECULES EN SEDIMENTATION DANS UN LIQUIDE CONNU.

00141 PGM LINES 011 DATA REGS
ALAIN BERGER
CH - BOUDRY

25039 RESISTANCES STANDARDS "RESIST"
C

CE PROGRAMME DONNE LES VALEURS STANDARDS DES RESISTANCES POUR 1%, 2%, 5%, 10% OU 20%.

00054 PGM LINES 001 DATA REGS
ALAIN BERGER
CH - BOUDRY

25040 "1/R"
C

CE PROGRAMME CALCULE 2 RESISTANCES QUI, MISES EN PARALLELE DONNENT UNE RESISTANCE TOTALE SPECIFIEE.

00089 PGM LINES 004 DATA REGS
ALAIN BERGER
CH - BOUDRY

25041 TRANSFORMEE EN Z : 1 INVERSION 2 REPONSE FREQUENTIELLE
C

CE PROGRAMME PERMET, A PARTIR D'UNE FONCTION DE TRANSFERT EN Z, H(Z) DE CALCULER ET D'IMPRIMER LES ECHANTILLONS TEMPORELS A PARTIR DE L'INSTANT ZERO. H(NT).

00312 PGM LINES 108 DATA REGS
LECLUSE YVES
F - DOUVRES

25042 DIVISION DES POLYNOMES
C

LE PROGRAMME PERMET DE DIVISER UN POLYNOME N PAR UN POLYNOME D SELON LES PUISSANCES CROISSANTES,OU SELON LES PUISSANCE DECROSSANTES. LES COEFFICIENTS DE CES POLYNOMES PEUVENT ETRE ENTIERS OU FRACTIONNAIRES. LA MACHINE DONNE SUCCESSIVEMENT LE POLYNOME QUOTIEN ET LE POLYNOME RESTE AVEC DES COEFFICIENTS ENTIERS OU FRACTIONNAIRES IRREDUCTIBLES. RELECTURE DU RESULTAT POSSIBLE.

00321 PGM LINES 100 DATA REGS
JEAN-CLAUDE GANZENMULLER
F - FREYMING-MERLEBACH

25043 PR-JUM
C

RECHERCHE DE NOMBRES-PREMIERS JUMEAUX; DEUX NOMBRES IMPAIRS SUCCESSIFS TOUS DEUX PREMIERS.

25043 (CONTD)

00142 PGM LINES 000 DATA REGS
ELIE MADEUF
F - USSEL

25044 TIR
C
UNE CIBLE DE 5 DE RAYON EST PLACE DANS UN TERRAIN DE 100X100.IL S'AGIT DE LA TOUCHER EN INDIQUANT LES COORDONNEES X ET Y DE VOTRE TIR. SE NOMBRE DES ACHERS N'EST PAS LIMITE. CHACUN TIRE JUSQU'A 15 COUPS, SI C'EST NECESSAIRE POUR TOUCHER LA CIBLE, AVANT DE LAISSER LA PLACE AU SUIVANT. QUAND TOUS LES ARCHERS ONT TIRE LA CALCULATRICE INDIQUE LE SCORE DE CHACUN.

00128 PGM LINES 000 DATA REGS
ELIE MADEUF
F - USSEL

25045 FRACTIO
C
ADDITION ET SOUSTRACTION DE FRACTIONS; SIMPLIFICATION DE FRACTIONS; TRANSFORMATIONS D'UNE FRACTION EN SOMME DE FRACTIONS EGYPTIENNES PAR L'ALOGORITHME DE FIBONACCI.

00188 PGM LINES 000 DATA REGS
ELIE MADEUF
F - USSEL

25046 FLEXION COMPOSEE 1 T FLCO
C
CE PROGRAMME CALCULE L'ARMATURE TENDUE ET L'ARMATURE COMPRIMEE NECESSAIRES SELON LA THEORIE DE LA RUPTURE POUR ARMER UNE POUTRE SOUMISE A UN EFFORT NORMAL ET UN MOMENT DE FLEXION
1ER CAS: FA=FA'

00099 PGM LINES 009 DATA REGS
SERGE BERRUT
CH - TROISTORRENTS

25047 TIR SUR CIBLE FIXE
C
LE PROGRAMME GENERE UNE CIBLE ALEATOIRE FIXE QUE VOUS DEVEZ ESSAYER DE DETRUIRE EN DONNANT LA DIRECTION DU TIR, L'INCLINAISON ETC...
LA CIBLE PEUT RIPOSTER PARFOIS

00130 PGM LINES 009 DATA REGS
KARIM CABBABE
F - PARIS

25048 "DES CHIFFRES ET DES LETTRES"
C
CE PROGRAMME EST UNE SIMULATION TRES FIDELE DU JEU "DES CHIFFRES ET DES LETTRES" TEL QU'IL EST PRESENTE A LA DEUXIEME CHAINE DE TELEVISION FRANCAISE (A2) D'OU UN PLUS GRAND INTERET POUR LES UTILISATEURS FRANCAIS.
POUR DEUX OU PLUSIEURS JOUEURS.

00173 PGM LINES 069 DATA REGS
CLAUDE ROELIGEN
LUXEMBOURG - MONDERCANGE

25049 CONVERSION HP - T.I
C
CE PROGRAMME PERMET A UN CALCULATEUR RAISONNANT EN LOGIQUE POLONAISE INVERSE DE RAISONNER EN SYSTEME A.O.S (TEXAS INSTRUMENTS)

00174 PGM LINES 001 DATA REGS
ISTRIA
F - PARIS

25050 MASTER MIND (NUMB)
C
JEU MASTER MIND AVEC NOMBRE DE CHIFFRES VARIABLE. LE JOUEUR CHOISIT CE NOMBRES.
LES CHIFFRES CHOISIT PAR LA HP-41C SONT TOUS DIFFERENT.
NOMBRE DE REGISTRE DE DONNEES:
30+9+2N N=NOMBRE DE CHIFFRES

25050 (CONTD)

00121 PGM LINES 000 DATA REGS
LIENART XAVIER
B - LEUVEN

25051 RESOLUTION 3 EQUATIONS 3 INCONNUES
C
CE PROGRAMME RESOUT UNE EQUATION A 3 INCONNUES. IL DONNE LE DETERMINATANT EN 2 SECONDES ENVIRON ET LES 3 INCONUES 3 SECONDES APRES. LA RAPIDITE EST L'AVANTAGE DE CE PROGRAMME QUI POURTANT CONTIENT BEAUCOUP DE LIGNES. IL PEUT ETRE RENDU PLUS COURT PAR LA SUPPRESSION DES SEQUENCES DEMANDANT LES DONNES.

00172 PGM LINES 052 DATA REGS
EMMANUEL BABINET
F - MARCQ-EN-BAROEUL

25052 OPERATIONS SUR LES VECTEURS
C
CE PROGRAMME CALCULE LE PRODUIT SCALAIRE, LE PRODUIT VECTORIEL, LE DOUBLE PRODUIT VECTORIEL, LE PRODUIT MIXTE ET LA NORME D'UN VECTEUR L'ANGLE FAIT PAR 2 VECTEURS DANS LE PLAN

00268 PGM LINES 017 DATA REGS
MENESSIER
F - PARIS

25053 DET
C
CALCUL D'UN DETERMINANT DE DIMENSION N: 2<=N<=16
CALCUL - MODULE(S) - MEMOIRE (S) :
0 2<=N<= 5
1 2<=N<= 9
2 2<=N<=12
3 2<=N<=14
4 2<=N<=16

00125 PGM LINES 288 DATA REGS
JEAN-FRANCOIS GRANIER
F - PARIS

25054 MASTER MIND
C
CE JEU CONSISTE A RETROUVER UN NOMBRE DE 3,4, OU 5 CHIFFRES EN UN MINIMUM DE COUPS

00167 PGM LINES 017 DATA REGS
HONVAULT
F - APT

25055 FRACTIONS: PILE OPERATIONNELLE ET 19 FONCTIONS
C
MEMES OPERATIONS ET MEME MODE OPERATOIRE QU'EN MODE NORMAL MAIS AVEC DES FRACTIONS.
LE PROGRAMME SE COMPORTE COMME AVEC UNE PILE OPERATIONNELLE "NORMALE"

00419 PGM LINES 012 DATA REGS
PHILIPPE MOSCH
CH - MARTIGNY

25056 AMDG
C
CE PROGRAMME CALCULE LES ANNUITES DEGRESSIVES D'UNE IMMOBILISATION SELON LES REGLES FISCALES FRANCAISES.

00109 PGM LINES 006 DATA REGS
GEORGES HENRY
F - PARIS

25057 CLASSEMENT TIR
C
NO DE REGISTRES DE DONNEES: N+3
CE PROGRAMME PERMET LE CLASSEMENT DE GROUPES DE TIREURS PAR LA MOYENNE OU PAR LE RESULTAT TOTAL.

00211 PGM LINES 000 DATA REGS
ALAIN BERGER
CH - BOUDRY

25058 CONVERSION DE CHIFFRE ARABE EN

25058 (CONTD)

00000 ROMAIN

CE PROGRAMME PERMET DE CONVERTIR UN CHIFFRE ARABE ENTIER EN CHIFFRE ROMAIN, QUELQUE SOIT CELUI CI.
PLUSIEURS EXAMPLE SONT DONNES.

00116 PGM LINES 009 DATA REGS
FREDERIC BROUARD
F - CHARENTON

25059 ECHEC A LA REINE (QUEENMAT)
C
LE BUT DU JEU EST DE BATTRE LA CALCULATRICE EN ARRIVANT LE PREMIER SUR LA CASE D'ARRIVEE EN PARTANT DE L'UNE QUELCONQUE DES CASES DE DEPART, MAIS VOUS N'AVEZ PAS LE DROIT DE RECULER. VOUS N'AVEZ Q'UNE CHANCE SUR 8299200 DE BATTRE LA CALCULATRICE ...

00272 PGM LINES 007 DATA REGS
FREDERIC BROUARD
F - CHARENTON

25060 MISSIONNAIRES ET CANNIBALES
C
DANS CE JEU IL EST QUESTION DE TRANSPORTER D'UNE RIVE A UNE AUTRE 4 MISSIONAIRES ET 4 CANNIBALES EN FAISANT ESCALE DANS UNE ILE. MAIS ATTENTION:LES CANNIBALES NE DOIVENT JAMAIS ETRE EN SUR NOMBRE PAR RAPPORT AUX MISSIONNAIRES, ET BIEN SUR LE BATEAU NE PEUT TRANSPORTER PLUS DE 3 PERSONNES, IL S'AGIT ALORS D'UN VRAI CASSE TETE...
(11 PAGES DE DESCRIPTON SONT FOURNIS POUR VOUS AIDER).

00169 PGM LINES 007 DATA REGS
FREDERIC BROUARD
F - CHARENTON

25061 MARQUE
C
MARQUE LES POINTS OBTENUS PAR DES JOUEURS INDIVIDUELS OU DES EQUIPES. AFFICHE LE NUMERO D'ORDRE DE LA DERNIERE PARTIE. PERMET A TOUT MOMENT DE CONSULTER LE SCORE DE CHACUN.

00039 PGM LINES 000 DATA REGS
ELIE MADEUF
F - USSEL

25062 PILE OPERATIONNELLE COMPLEX A 4 NIVEAUX
C
SIMULATION D'UNE PILE OPERATIONNELLE POUR NOMBRES COMPLEXES; ROTATION DE LA PILE, MISE EN MEMOIRE ET RAPPEL DE DONNEES COMPLEXES.

00225 PGM LINES 010 DATA REGS
E THUIN & J-B SAVOYE & E STANUS
B - BRAINE-LE-COMTE

25063 CONVERSION NOMBRES ARABES - NOMBRES ROMAINS
C
CONVERTIT UN NOMBRE ECRIT EN CHIFFRES ARABES EN SON EQUIVALENT EN CHIFFRES ROMAINS

00217 PGM LINES 000 DATA REGS
ELIE MADEUF
F - USSEL

25064 CONVERSION
NOMBRES ARABES - NOMBRES ROMAINS
C
CE PROGRAMME CONVERTIT LES NOMBRES ARABES (INFERIEURS A 2000) EN NOMBRES ROMAINS.

00147 PGM LINES 005 DATA REGS
PATRICK IMBAULT
F - MELUN

25065 MASTER-MIND A FORCE VARIABLE
C
LA MACHINE GENERE, SELON LA FORCE

25065 (CONTD)

DESIREE,UN NOMBRE DE 1 A 6 CHIFFRES QU'IL S'AGIT DE TROUVER AVEC PLUSIEURS ESSAIS, LA MACHINE DONNE LE NOMBRE DE CHIFFRES EXACTS ET DE CHIFFRES BIEN PLACES.

00144 PGM LINES 019 DATA REGS
PATRICK IMBAULT
F - MELUN

25066 TIC TAC TOE
C

CE JEU, JOUE SUR UNE GRILLE DE 3X3 CASES, CONSISTE POUR CHACUN DES JOUEUR A PLACER A TOUR DE ROLE UN PION EN ESSAYANT D'OCCUPER COMPLETEMENT, SOIT UNE HORIZONTALE, SOIT UN DIAGONALE, SOIT UNE VERTICALE. DURANT TOUT LE JEU, LE CALCULATEUR VOUS INDIQUE L'ETAT DE LA GRILLE AVANT VOTRE DERNIER COUP; ET IL REPOND A TOUS VOS COUPS EN 15 SECONDES.

00167 PGM LINES 020 DATA REGS
ROLAND SCHMITT
F - NEUHAEUSEL

25067 MATRIX 2X2
C

CE PROGRAMME PERMET DE RESOUDRE CERTAINS CALCULS SUR LES MATRICES 2X2. EN PREMIER LIEU, LA RECHERCHE DU DETERMINANT, INDIQUANT SI LA MATRICE EST REELLEMENT INVERSIBLE; ET CALCULERA POSTERIEUREMENT SES INVERSES. DE PLUS AVEC LA MEME MATRICE, IL EST POSSIBLE DE LA MULTIPLIER PAR F (X/Y).
ENFIN, CE PROGRAMME VOUS REVELERA LE PRODUIT DE DEUX MATRICES.
(SI LE MOT INVERSIBLE N'APPARAIT PAS, LA MATRICE N'A PAS D'INVERSE.)

00185 PGM LINES 010 DATA REGS
JEAN-MARIE NIGUET
F - MONTGERON

25068 RESOLUTION D'UNE EQUATION DU SECOND DEGRE A UNE INCONNUE
C

CE PROGRAMME RESOUT UNE EQUATION DU SECOND DEGRE DE LA FORME:
(AX**2+BX+C=0), ET TROUVE LA RACINE DOUBLE, OU LES DEUX RACINES REELLES OU BIEN ENCORE, LES DEUX RACINES COMPLEXES CONJUGUEE (DANS LE CAS OU SON DISCRIMINANT EST NUL).

00077 PGM LINES 020 DATA REGS
EMMANUEL BABINET
F - MARCQ-EN-BAROEUL

25069 SOLUTION D'UNE EQUATION TRIGONOMETRIQUE: A*SINX+B*COSX=C
C

CE PROGRAMME TROUVE LES DEUX SOLUTIONS PRINCIPALES DE L' EQUATIONS CLASSIQUE:
A*SIN(X)+B*COS(X)=C

00050 PGM LINES 006 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

25070 ATOMES
C

QUATRE "ATOMES" SONT CACHES DANS UNE "BOITE NOIRE" UN RAYON CHERCHEUR TACHE DE LES DECOUVRIR.

00401 PGM LINES 020 DATA REGS
ELIE MADEUF
F - USSEL

25071 CHASSE
C

CE PROGRAMME PLACE UN SOUS-MARIN DANS UN ESPACE DE 100X100; DES TIRS CHERCHENT A LE DEBUSQUER PUIS A LE COULER.

00185 PGM LINES 000 DATA REGS
ELIE MADEUF
F - USSEL

25072 STARWAR
C

CE JEU CONSISTE A ABBATTRE UN ENGIN SE DEPLACANT DANS UN ESPACE A 3 DIMENSIONS (STYLE BATTAILE NAVALLE) EN CONNAISSANT LA DISTANCE DE L' OBJECTIF ET SES DEPALCEMENTS.

00159 PGM LINES 015 DATA REGS
PHILIPPE MUSCH
CH - MARTIGNY

25073 EVEN WINS
C

UN NOMBRE ALEATOIRE D'OBJET (ENTRE 9 ET 21) SONT PLACES SUR LA TABLE. A TOUR DE ROLE, LE CALCULATEUR ET LE JOUEUR PRENNENT ENTRE 1 ET 4 OBJET JUSQ'A CE QU'IL N'EN RESTE PLUS. LE GAGNANT EST CELUI QUI POSSEDE UN NOMBRE PAIR D'OBJETS.
L'INTERET DU PROGRAMME EST LE FAIT QUE AU DEBUT, LE CALCULATEUR NE CONNAIT QUE LES REGLES DU JEU. PUIS AU FUR ET A MESURE, IL APPREND A BIEN JOUER A PARTIR DE SES ERREURS; SI BIEN QU'IL EST DIFFICILE DE LE BATTRE APRES UNE VINGTAINE DE PARTIES.

00152 PGM LINES 021 DATA REGS
ROLAND SCHMITT
F - NEUHAEUSEL

25074 PRODUIT MATRICIEL
C

UTILISE LANGAGE LINEAIRE, 1,2,3 ET ILLUSTRE SA SOUPLESSE D'EMPLOI. IL COMPORTE 3 PROGRAMMES:
PMA: PRODUIT DE 2 MATRICES QUELCONQUE. UN MODULE MEMOIRE PERMET LA DIM 6 ET 2 MODULES LA DIM 8.
PMV: PRODUIT MATRICE-VECTEUR. CONSERVE EN OUTRE LES RESULTATS.
LA PUISSANCE MATRICE DONNE LA SUITE DE VECTEURS - UN MODULE PERMET LA DIM 8 ET DEUX MODULES LA DIM 11.
LES DIMENSIONS PEUVENT ETRE BIEN PLUS GRANDES POUR DES MATRICES SYMETRIQUES, TRIANGULAIRE OU BANDES JUSQU'A LA DIM 40.

00098 PGM LINES 010 DATA REGS
PAUL SEBAH
F - MARSEILLE

25075 LANGAGE LINEAIRE 1
C

DECOMPOSE EN 4 PROGRAMMES DISTINCTS DFM1 AIDE A SOKER UNE PREMIERE MATRICE, DEFINIR SON BLOC MEMOIRE ET SES REGISTRES DE CONTROLE. DFM2 IDEM POUR UNE DEUXIEME MATRICE.
M1 ET M2 SONT DES PROGRAMMES DE RAPPEL DE LA 1ERE ET DE LA 2E MATRICE; ILS S'UTILISENT TRES SIMPLEMENT DANS TOUT PROGRAMME D'ALGEBRE LINEAIRE. ILS ONT CONCUS POUR ECONOMISER DES MEMOIRES DANS LE CAS DE MATRICES TRIANGULAIRES OU SYMETRIQUES.

00244 PGM LINES 010 DATA REGS
PAUL SEBAH
F - MARSEILLE

25076 LANGAGE LINEAIRE 2
C

GENERALEMENT LES GRANDES MATRICES ONT DES ELEMENTS NULS A L'EXTERIEUR D'UNE BANDE AUTOUR DE LA DIAGONALE PRINCIPALE. CE PROGRAMME EST DECOMPOSE EN 4 PROGRAMMES DISTINCTS PERMETTANT DE STOCKER, DE LA FACON LA PLUS ECONOMIQUE, 1 OU 2 MATRICES BANDES, A L'AIDE DE DFB1 ET DFB2, ET DE RAPPELER LES ELEMENTS DE CES MATRICES A L'AIDE DE B1 ET B2. LES MATRICES BANDES SYMETRIQUES OU TRIANGULAIRES OCCUPENT ENCORE MOINS DE PLACE, CE QUI PERMET DE TRAITER DE GRANDES MATRICES. LES PROGRAMMES FONCTIONNENT COMME 25075.

00398 PGM LINES 010 DATA REGS
PAUL SEBAH
F - MARSEILLE

25077 LANGAGE LINEAIRE 3
C

25077 (CONTD)

IL S'AGIT DE 3 PROGRAMMES AUXILIAIRE, COMPLEMENTS AUX PROGRAMMES DE LANGAGE LINEAIRE 1 ET 2 PRECEDENTS.
VMA: VISUALISATION D'UNE MATRICE. IL PERMET DE CONTROLER LES ELEMETNS D'UNE MATRICE CHARGEE EN MEMOIRE.
CMA: CORRECTION D'UNE MATRICE. IL PERMET DE CORRIGER UN OU PLUSIEURS ELEMENTS D'UNE MATRICE EN MEMOIRE.
DMA: DEPLACEMENT D'UNE OU DE 2 MATRICES DANS LA MEMOIRE.
TOUS CES PROGRAMMES LAISSENT INCHANGES TOUS LES REGISTRES DE CONTROLE DES MATRICES.

00164 PGM LINES 010 DATA REGS
PAUL SEBAH
F - MARSEILLE

25078 SUITE LOGIQUE
C

CE PROGRAMME, INSPIRE DES TESTS D'INTELLIGENCE, VOUS PROPOSE UNE SUITE DE NOMBRES EX: 2 4 6 8 QUI SE SUIVENT PAR, ICI, +2. 4 NIVEAUX SONT POSSIBLES AVEC CHANGEMENT DE SIGNE, AUGMENTATION DU FACTEUR ADDITION ETC...
VISUALISATON DU SCORE ET CHANGEMENT DE NIVEAU POSSIBLE EN COURS DE PARTIE.
LE BUT DU JEU EST DE TROUVER LE NOMBRE QUI SUIT, ICI, LE NOMBRE 8; C'EST A DIRE 10.

00208 PGM LINES 009 DATA REGS
KARIM CABBABE
F - PARIS

25079 DIVISION ET MULTIPLICATION DES POLYNOMES
C

LE PROGRAMME DIVISE UN POLYNOME DE DEGRE 0 A 18 PAR UN POLYNOME DE DEGRE 0 A 9 OU MULTIPLIE UN POLYNOME DE DEGRE 0 A 9 PAR UN AUTRE POLYNOME DE DEGRE 0 A 9. L'ENTREE DES COEFFICIENTS EST FACILITEE PAR LE FAIT QUE CHAQUE TERME DU DIVIDENDE OU DU 1ER FACTEUR EST ENTRE DANS LE REGISTRE DONT LE NUMERO EST EGAL AU DEGRE DU TERME.CHAQUE TERME DU DIVISEUR OU DU 2EME FACTEUR EST ENTRE DANS LE REGISTRE DONT LE NUMERO EST EGAL AU DEGRE DU TERME MAJORE DE 20. LES PUISSANCES DE X S'IMPRIMENT SUIVANT LE SYMBOLE HP.

00270 PGM LINES 037 DATA REGS
HORVILLE
F - GENTILLY

25080 INTEGRALES ABELIENNES
C

CE PROGRAMME CALCULE LES INTEGRALES BORNEES ENTRE A ET B AVEC UNE PRECISION SUFFISANTE, SI CES INTEGRALES CONTIENNENT UNE FORME IRRATIONNELLE. 2 EXEMPLES SONT DONNES.
(INTEGRATION DE TSCHEBYSHEV).

00060 PGM LINES 011 DATA REGS
FREDERIC BROUARD
F - CHARENTON

25081 GESTION DE PATRIMOINE
C

PLACEMENT INSTITUTIONNEL PAR EXCELLENCE, LE LIVRET OU COMPTE D'EPARGNE MATERIALISE LA FORME D'EPARGNE LA PLUS SIMPLE, LA PLUS CONNUE ET LA PLUS REPANDUE. MAIS PEU DE TITULAIRES DE LIVRETS PRENNENT SOIN DE VERIFIER LE MONTANT DES INTERETS QU'ILS PERCOIVENT. PEUT-ETRE PENSENT-ILS QUE C'EST UNE OPERATION LONGUE ET COMPLEX? SI TEL EST VOTRE SENTIMENT CE PROGRAMME VOUS CONCERNE PARTICULIEREMENT. ALORS A VOS MACHINE, PROGRAMMEZ, ET ... VERIFIERZ!

00239 PGM LINES 014 DATA REGS
JEAN-MARIE NIGUET
F - MONTGERON

25082 ARRANGEMENTS ET COMBINAISONS

25082 (CONTD)

CE PROGRAMME PERMET DE CALCULER 2
FORMULES DE L'ANALYSE COMBINATOIRE.
IL DETERMINE SANS DENOMBREMENT
DIRECT LE NOMBRE DE RESULTATS
POSSIBLES D'UNE EXPERIENCE PARTI-
CULIERE, OU ENCORE LE NOMBRE D'
ELEMENTS D'UN ENSEMBLE PARTICULIER.

00044 PGM LINES 005 DATA REGS
JEAN-MARIE NIGUET
F - MONTGERON

25083 PROGRAMMATION LINEAIRE
(METHODE SIMPLEX) I
C

PROGRAMMATION LINEAIRE EMPLOYANT
LA METHODE SIMPLEX. LE PROGRAMME
S'EXECUTE EN UNE PHASE. LE
PROGRAMME N'EST LIMITE QUE PAR LE
NOMBRE DE MEMOIRES DIPONIBLES; IL
EMPLOIT 87+N**2+M.N+3M+3N REGISTRES
(M=RESTRICTIONS, N=VARIABLES). LE
PROGRAMME RESOUD AUSSI BIEN DES
MAXIMALISATIONS QUE DES MINIMALISA-
TIONS.

00328 PGM LINES 074 DATA REGS
LIENART XAVIER
B - LEUVEN

25084 PROGRAMMATION LINEAIRE
(METHODE SIMPLEX) II
C

PROGRAMMATION LINEAIRE EMPLOYANT LA
METHODE SIMPLEX. LE PROGRAMME S'
EXECUTE EN 2 PHASES EMPLOYANT UN
MERGE. LE PROGRAMME N'EST LIMITE
QUE PAR LE NOMBRE DE MEMOIRES DIS-
PONIBLES; IL EMPLOIT
55+M**2+M.N+3M+3N REGISTRES
(M=RESTRICTIONS, N=VARIABLES). LE
PROGRAMME RESOUD AUSSI BIEN DES
MAXIMALISATIONS QUE DES MINIMALISA-
TIONS.

00334 PGM LINES 042 DATA REGS
LIENART XAVIER
B - LEUVEN

PROGRAM ABSTRACTS

25085 **CONJUGAISON DES VERBES DU PREMIER GROUPE**
C
CE PROGRAMME CONJUGE LES VERBES DU 1ER GROUPE (JUSQU'A 12 LETTRES) AUX TEMPS SUIVANT:
PRESENT - FUTUR - IMPARFAIT - CONDITIONNEL PRESENT - PASSE SIMPLE -PASSE COMPOSE - PLUS QUE PARFAIT - FUTUR ANTERIEUR - PASSE ANTERIEUR - IL FAUT LE LECTEUR DE CARTES.

00336 PGM LINES 015 DATA REGS
PATRICK IMBAULT
F - MELUN

25086 **A LA CLAIRE FONTAINE**
C
CE PROGRAMME FAIT JOUER A LA MACHINE LE CELEBRE AIR:"A LA CLAIRE FONTAINE" GRACE A LA FONCTION "TONE" DU HP-41C.

00094 PGM LINES 000 DATA REGS
IMBAULT PATRICK
F - MELUN

25087 **ARC**
C
ETANT DONNE 2 VARIABLES PARMI LES CINQ SUIVANTES (LE RAYON, LA CORDE, LA FLECHE, LA LONGUEUR DE L'ARC, ET L'ANGLE AU CENTRE), LE PROGRAMME CALCULE LES TROIS AUTRES AINSI QUE LES SURFACES DU SECTEUR ET DU SEGMENT DE CERCLE CORRESPONDANTS.

00233 PGM LINES 007 DATA REGS
MEYER JEAN-CLAUDE
F - LA MEMBROLLE

25088 **INTEGRALE D'UNE FONCTION PAR APPROXIMATION POLYNOMIALE**
C
CE PROGRAMME CALCULE L'INTEGRALE D'UNE FONCTION EN DECOUPANT L' INTERVALLE D'INTEGRATION EN 5 PARTIES PUIS APPROXIME SUR CHAQUE INTERVALLE LA FONCTION PAR UN POLYNOME DU 4'ME DEGRE .ENFIN CE POLYNOME EST INTEGRE ET DONNE UNE VALEUR PRECISE PAR SOMMATION DE L'INTEGRALE.

00280 PGM LINES 077 DATA REGS
MENESSIER ERIK
F - PARIS

25089 **INTEGRALE IMPROPRE I**
C
CE PROGRAMME CALCULE L'INTEGRALE DE 0 A L'INFINI D'UNE FONCTION F(X) QUELCONQUE, SI CELLE CI EST PARTOUT DEFINIE SUR R+, ET CONVERGENTE, PAR LA METHODE D'INTEGRATION DE LAGUERRE. 4 EXEMPLES SONT DONNES.

00068 PGM LINES 034 DATA REGS
BROUARD FREDERIC
F - CHARENTON

25090 **CALCUL DE LA LONGUEUR D'UN ARC DE COURBE**
C
CE PROGRAMME PERMET DE CALCULER LA LONGUEUR D'UN ARC DE COURBE. LA COURBE ETANT DEFINIE PAR SON EQUATION Y=F(X). CE PROGRAMME UTILISE 2 ALGORITHMES CONNUS.
2 EXEMPLES SONT DONNES, LA DOCUMENTATION COMPORTE 13 PAGES.

00133 PGM LINES 024 DATA REGS
BROUARD FREDERIC
F - CHARENTON

25091 **RAYON DE COURBURE EN UN POINT DONNE D'UN COURBE DEFINIE**
C
CE PROGRAMME CALCULE LE RAYON DE COURBURE D'UNE COURBE DEFINIE PAR SON EQUATION Y=F(X) EN UN POINT DONNE. 2 EXEMPLES SONT DONNES.

00093 PGM LINES 008 DATA REGS
BROUARD FREDERIC
F - CHARENTON

25092 **INTEGRALES IMPROPRES II**
C
CE PROGRAMME CALCULE L'INTEGRALE DE MOINS L'INFINI A PLUS L'INFINI D'UNE FONCTION F(X) QUEL CONQUE, SI CELLE CI EST PARTOUT DEFINIE SUR R, ET CONVERGENTE, PAR LA METHODE D'INTEGRATION D'HERMITE.
2 EXEMPLES SONT DONNES.

00073 PGM LINES 025 DATA REGS
BROUARD FREDERIC
F - CHARENTON

25094 **POLYNOME DE LAGRANGE**
C
ETANT DONNE N POINTS (AI, F(AI)), CE PROGRAMME DETERMINE LES COEFFICIENTS DU POLYNOME DE DEGRE N-1 PASSANT PAR CES N POINTS. CE PROGRAMME PERMET D'APPROXIMER DES COURBES EXPERIMENTALES PAR DES FONCTIONS POLYNOME POUR DETERMINER DES POINTS SUPPLEMENTAIRES DE LA COURBE.

00164 PGM LINES 005 DATA REGS
SCHMITT ROLAND
F - NEUHAEUSEL

25095 **RESOLUTION D'UN SYSTEME DE TROIS EQUATION A TROIS INCONNUES**
C
CE PROGRAMME RESOUD UN SYSTEME DE TROIS EQUATIONS A TROIS INCONNUES ET IL A L'AVANTAGE D'ETRE COURT (AVANTAGE QUE N'AVAIT PAS LE PROGRAMME 25051C) ET TRES RAPIDE.

00112 PGM LINES 016 DATA REGS
BABINET
F - MARCQ-EN-BAROEUL

25096 **REPONSE EN FREQUENCE (REF)**
C
CE PROGRAMME EST DESTINE A RESOUDRE UNE ANALYSE EN FREQUENCE POUR LES SYSTEMES ASSERVIS. IL CALCULE LES COURBES DE BODE, DE BLACK ET DE NYQUIST DE LA REPONSE EN FREQUENCE DU SYTEME. DE PLUS, IL CALCULE "M", TRANSMITTANCE PERMETTANT D'OPTIMALISER LA REPONSE INDICIELLE.

00162 PGM LINES 000 DATA REGS
THUIN ERIC
B - BRAINE-LE-COMTE

25097 **FLIPPER "FLIP"**
C
CE PROGRAMME EST UNE TRANSCRIPTION HP-41C DU FAMEUX PROGRAMME DE MR CRAIG.

00355 PGM LINES 027 DATA REGS
ALAIN BERGER
CH - BOUDRY

25098 **JEU DES CAILLOUX "ALUM"**
C
CE PROGRAMME EST INSPIRE D'UN PROGRAMME PARU DANS LA REVUE JEUX & STRATEGIES NO 3.

00131 PGM LINES 028 DATA REGS
ALAIN BERGER
CH - BOUDRY

25099 **PREAV**
C
CE PROGRAMME PERMET EN EMPLOYANT LA GRILLE CLAEYS DE DETERMINER LA DUREE DU PREAVIS A OCTROYER A UN EMPLOYE.
LE RESULTAT OBTENU SERA EVIDEMMENT UNE BASE D'EVALUATION.

00092 PGM LINES 005 DATA REGS
DUCHENE THIERRY
B - BRUXELLES

25100 **CALEPIN**
C
CE PROGRAMME PERMET DE STOCKER DES NOMS SUR FICHES MAGNETIQUES ET DE LES RAPPELER AINSI QUE LE NUMERO DE TELEPHONE CORRESPONDANT (NE PEUT PAS ETRE UTILISE SANS LECTEUR DE

25100 **(CONTD)**

CARTES)

00130 PGM LINES 096 DATA REGS
LEROYER GUILLAUME
F - PARIS

25101 **BBOX**
C
VOUS DEVEZ DECOUVRIR LA POSITION DE QUATRE "ATOMES" DISPOSES SECRETEMENT DANS UNE "BOITE".

00227 PGM LINES 012 DATA REGS
PIERRE LAMBERT
F - PARIS

25102 **RESOLUTION D'EQAUATION DU TROISIEME DEGRE**
C
CE PROGRAMME RESOUD L'EQUATION DU 3EME DEGRE A*X**3+B*X**2+C*X+D=0 DANS LAQUELLE A,B,C ET D SONT DES NOMBRES REELS CONNUS, ET X L'INCONNUE.

00180 PGM LINES 015 DATA REGS
PIOTROWICY DIDIER
F-69720 ST.LAURENT DE MURE

25103 **ATTAQUE NUCLEAIRE II**
C
CE JEU A ETE PROPOSE DANS LE "SCIENCE ET VIE" NO 742 POUR 4 SR.52. IL A ETE RETRANSCRIT POUR HP-67 PAR MONSIEUR DENYS WILQUINS. JE L'AI A NOUVEAU MODIFIE POUR HP-41C. A PRESENT LA MACHINE GENERE 4 NOMBRES QUELCONQUES, DE SILOS (AU CHOIX ET SELON LE NOMBRE DE MODULES). DE PLUS, L'ATTAQUANT SE DEPLACE SUR LA GRILLE ET LA MACHINE RIPOSTE; IL NE FAUT PAS ETRE TOUCHE PLUS DE 3 FOIS ET A CHAQUE FOIS, LA PUISSANCE DE TIR EST DIMINUEE.

00334 PGM LINES 017 DATA REGS
ISTRIA
F - PARIS

25104 **PE-BRIDGE**
C
CALCUL DES POINTS D'EXPERT ACQUIS PAR UN JOUEUR DE L'UNE OU L'AUTRE EQUIPE LORS D'UNE EPREUVE PAR EQUIPES DE 4. DE BRIDGE.

00174 PGM LINES 009 DATA REGS
F DELY
F - COUTANCES

25105 **CALENDRIERS JULIEN,GREGORIEN,COPTE, MUSULMAN ET REVOLUTIONNAIRE**
C
UNE DATE ETANT DONNEE DANS UN DES 5 CALENDRIERS (JULIEN,GREGORIEN,COPTE MUSULMAN/FRANCAIS REVOLUTIONNAIRE) CE PROGRAMME:-DONNE LE JOUR DE LA SEMAINE,- CONVERTIT LA DATE DANS UN AUTRE (OU PLUSIEURS AUTRES) CALENDRIERS(S); CONNAISSANT L'ANNEE, CALCULE LA DATE DE PAQUES (ASCENSION OU PENTECOTE) POUR LE CALENDRIER JULIEN OU GREGORIEN;
CALCULE LA DIFFERENCE DE JOURS ENTRE 2 DATES, OU LA DATE CONNAISSANT LA DIFFERENCE DE JOURS PAR RAPPORT A UNE DATE DE REFERENCE.

00286 PGM LINES 007 DATA REGS
JEAN THIBERGE
F - CHERBOURG

25106 **DEFENSE CONTRE AVION**
C
VOUS DISPOSEZ D'UN CHAR QUE VOUS POUVEZ DEPLACER A GAUCHE OU A DROITE SUR UNE GRILLE 11X10 CARRES. VOUS DEVEZ ABATTRE UN AVION QUI S'ABAISSE AVANT QU'IL N'ATTEIGNE UN DES 12 BLOCS DE BETON QUI VOUS PROTEGENT. CES BLOCS PEUVENT ETRE DETRUITS SI VOUS LES ATTEIGNEZ D'UNE FUSEE.

00251 PGM LINES 008 DATA REGS
MARC TAVERNEY
CH - LAUSANNE

25107 **MASTER MIND AVEC DES MOTS**
C

LA MACHINE CHOISIT UN MOT ET INDIQUE AU JOUEUR LE NOMBRE DE LETTRES BIEN OU MAL PLACEE POUR CHAQUE MOT INTRODUIT.
LE CALCULATEUR "APPREND" DES MOTS PARMI CEUX INTRODUITS PAR LE JOUEURS: SI CELUI-CI S'IMPOSE DE N'UTILISER QUE DES MOTS DU DICTION-NAIRE, LE CLACULATEUR NE CHOISIRA QUE DES MOTS DU DICTIONNAIRE.
LES MOTS PEUVENT COMPORTER DE 2 A 6 LETTRES.

00233 PGM LINES 036 DATA REGS
VAUTHERIN ETIENNE
F - LYON

25108 **EPHEMERIDES SOLAIRES ET NAVIGATION ASTRO**
C

PARTANT DES DONNESS POUR UNE DATE DE REFERENCE ARBITRAIRE (ICI LE 1/01/1972), LE PROGRAMME CALCULE A UN INSTANT QUELCONQUE:
1-LES COORDONEES DU SOLEIL
  AR=ASUNCIEN DROITE, D=DECLINAISON
  GHA=ANGLE HORAIRE A GREENWICH
  D=DEMI-DIAMETRE APPARENT
2-EN UN LIEU QUELCONQUE DE LATITUDE
  L, LONGITUDE G, CALCULE A CET IN-STANT LA HAUTEUR DU SOLEIL H ET SON AZIMUT Z.

00239 PGM LINES 017 DATA REGS
MICHAUT
F - ORSAY

25109 **LIMONADE**
C

CE PROGRAMME DE JEU SIMULE LA GESTION D'UN STAND DE VENTE DE LIMONADE. IL S'AGIT POUR 1 A 3 JOUEURS DE FAIRE LE PLUS DE GAINS POSSIBLES EN FONCTION DES CIRCON-STANCES EXTERIEURES (METEO OU AUTRES...) ET DES DECISIONS DU JOUEURS.
UN BILAN EST PUBLIE CHAQUE JOUR.

00394 PGM LINES 030 DATA REGS
COLLAINE CHRISTIAN
F - FESSENHEIM

25110 **OREGON**
C

CE PROGRAMME SIMULE LA TRAVERSEE DE L'OREGON AU TEMPS DE LA RUEE VERS L'OR; IL FAUT CHASSER POUR VIVRE ET FAIRE ATTENTION AU BANDIT.

00216 PGM LINES 006 DATA REGS
GUILLAUME LEROYER
F - PARIS

25111 **-PDC-**
C

CALCUL DES PERTES DE CHARGES SELON LA FORMULE DE "COLEBROOK" POUR TOUS FLUIDES EN REGIME TURBULENT.
A)CONNAISSANT LE DEBIT ET LE DIA-METRE. B) CONNAISSANT LE DEBIT ET LA VITESSE. LE DIAMETRE NORMALISE COR-RESPONDANT EST RECHERCHE PAR ITERA-TION. CALCUL COMPLEMENTAIRE POUR LE DIAMETRE IMMEDIATEMENT INFERIEUR OU SUPERIEUR. C) CONNAISSANT LE DEBIT ET LA P.D.C. MAXI. AUTORISEE. LE CALCUL DEBUTE AVEC LE DIAMETRE NORMALISE LE PLUS PETIT, ET CESSE AUX CONDITIONS DE COMPARAISONS DONNEES.

00144 PGM LINES 022 DATA REGS
VIARD
F - RIS. ORANGIS

25112 **TRI DE DONNEES**
C

CE PROGRAMME PERMET D'ORDONNER UN ENSEMBLE DE NOMBRES DANS UN ORDRE CROISSANT OU NON, DE CHOISIR DE LE VISIONNER OU DE L'IMPRIMER. AVEC 4 MODULE MEMOIRE CE PROGRAMME PERMET LE TRAITEMENT DE PLUS DE 270 DON-NEES. L'ALGORITHME DE TRI EST LE PLUS RAPIDE CONNU.

25112 **(CONTD)**

9 PAGES 2 EXEMPLES

00155 PGM LINES 273 DATA REGS
FREDERIC BROUARD
F - CHARENTON

25113 **REPRESENTATION FIGURATIVE D'UNE ESTIMATION STATISTIQUE**
C

CE PROGRAMME PERMET DE REPRESENTER UNE ESTIMATION STATISTIQUE A L'AIDE D'UNE FIGURATION PAR UNITE VARIABLE - LA FIGURE PEUT ETRE OBTENUE SOIT PAR COMPOSITION,SOIT EN CHOISISSANT UN CARACTERE CONTENU DANS LE CAL-CULATEUR. LE PROGRAMME NECESSITE L'IMPRIMANTE.
2 EXEMPLES SONT DONNEES, 10 PAGES DE DOCUMENTATION.

00126 PGM LINES 004 DATA REGS
BROUARD FREDERIC
F - CHARENTON

25114 **HISTOGRAMME**
C

CE PROGRAMME DESSINE UN HISTOGRAMME D'APRES DES VALEURS DONNEES.
1 EXEMPLE EST DONNE; LE PROGRAMME NECESSITE UNE IMPRIMANTE.

00090 PGM LINES 004 DATA REGS
FREDERIC BROUARD
F - CHARENTON

25115 **POIDS MOLECULAIRE**
C

CE PROGRAMME CALCULE LE POIDS MOLECULAIRE A PARTIR DE LA FORMULE BRUTE POUR DES MOLECULES CONTENANT LES ATOMES SUIVANTS:
H, C, N, O, S, P, F, CL, BR, I, LI, NA, K, MG, CA, BA, HG, AG, CR, MN, FE, CO, NI, CU, ZN, AS, AL, PB, SN ET AU.

00123 PGM LINES 001 DATA REGS
ANKER LUCIEN
CH - LA-TOUR-DE-PEILZ

25116 **SERIES DE RIEMANN**
C

CE PROGRAMME PEUT ETRE UTILISE POUR EVALUER LA SOMME D'UNE SERIE DE RIEMANN.(TERME GENERAL)

00113 PGM LINES 032 DATA REGS
GRAND EDMOND
F - VENDARGUES

25117 **SYNTHESE D'UN FILTRE DE TCHEBYSHEFF**
C

CE PROGRAMME CALCULE L'ORDRE N D'UN FILTRE DE TCHEBYSHEFF ET LA POSI-TION DES POLES, CONNAISSANT:
W2 FULSATION DE COUPURE A -10 LOG 10 (1+A**2) DB
W2 FULSATION DE REJECTION A -10 LOG 10 (1+B**2) DB
(A ET B DEMANDES) PUIS TRACE LE CARRE DU MODULE DU FILTRE.

00211 PGM LINES 024 DATA REGS
LECLUSE YVES
F - DOURNES

25118 **"LE TRAIN"**
C

LE BUT DU JEU CONSISTE A ALIMENTER ASTUCIEUSEMENT UN TRAIN EN CHARBON AFIN DE PARCOURIR LA PLUS GRANDE DISTANCE POSSIBLE. ON PART AVEC UN STOCK DE 100KG ET 5000 POUR EFFEC-TUER DES ACHATS. LORSQUE LA MACHINE AFFICHE UN CHARBON REGULIEREMENT, LE TRAIN PEUT A TOUT MOMENT S'ARRE-TER, TERMINANT AINSI LE JEU. IL FAUT DISTRIBUER DONC ASSEZ VITE "UNE PELLETEE" TOUT EN SACHANT QU'ELLE DIMINUE NOTRE STOCK (20KG!) -ON PEUT AUGMENTER NOTRE STOCK EN ACHETANT OU EN MARCHANDANT DU CHAR-BON QUAND L'OCCASION SE PRESENTE.

00257 PGM LINES 011 DATA REGS
RAPHAEL HORAK
F - PARIS

25119 **"LA CARAPACE"**
C

UNE CIBLE AVANCE VERS VOUS; VOUS DEVEZ LA DETRUIRE EN REALISANT LE MEILLEUR SCORE POSSIBLE. SELON LA PRECISION DE VOTRE TIR, VOUS POUVEZ OBTENIR DES BONUS AUGMENTANT VOTRE SCORE,ET SI VOUS ATTEIGNEZ LA CIBLE ALORS QU'ELLE EST RECOUVERTE DE SA CARAPACE, VOUS NE LA DETRUISEZ PAS MAIS VOUS ETES BONIFIE DE MUNITIONS SUPPLEMENTAIRES. CHAQUE BONUS FAIT RECULER VOTRE CIBLE D'UNE CERTAINE DISTANCE, MAIS ATTENTION VOUS NE POUVEZ PAS LA FAIRE RECULER AU DELA D'UNE CERTAINE DISTANCE!

00197 PGM LINES 008 DATA REGS
HORAK RAPHAEL
F - PARIS

25120 **SYNTHESE D'UN FILTRE DE BUTTERWORTH**
C

CE PROGRAMME PERMET, CONNAISSANT LA PULSATION DE COUPURE WC A -10 LOG 10 (1+A**2) DB ET LA PULSATION DE REJECTION WR A -10 LOG 10 (1+B**2) DB, DE DETERMINER L'ORDRE N ET LA POSITION DES POLES D'UN FILTRE DE BUTTERWORTH REPONDANT A LA SPECIFI-CATION DEMANDEE. IL TRACE LE MODULE AU CARRE DE LA REPONSE HARMONIQUE OBTENUE.

00148 PGM LINES 023 DATA REGS
LECLUSE YVES
F - DOURNES

25121 **LOGO**
C

EN COMBINANT DE FACON ALEATOIRE, LE DEBUT ET LA FIN DE MOTS ECRITS PAR LE JOUEUR COMPOSE DES MOTS INATTENDUS.

00188 PGM LINES 050 DATA REGS
CLAUDE LAHANIER
F - BONSECOURS

25122 **ESTIMATION RECURRENTE DE PARAMETRES - LA METODE DES MOINDRES CARRES**
C

CE PROGRAMME PERMET L'ESTIMATION RECURRENTE JUSQU'A 4 PARAMETRE AI SUIVANT LA METHODE DES MOINDRES CARRES D'UNE FONCTION Y MISE SOUS LA FORME Y=SIGMA AI*GI(X). APRES AVOIR ENTRE LE NOMBRE N DE PARA-METRES A ESTIMER PUIS LA MATRICE PO DE CORRECTION INITIALE SOUS FORME DIAGONALE, A CHAQUE COUPLE LE CAL-CULATEUR SORT UNE ESTIMATION DES AI ET LA VALEUR DES COEFFICIENTS K UTILISES.

00235 PGM LINES 050 DATA REGS
LECLUSE YVES
F - DOURVES

25123 **MISE EN PERSPECTIVE D'UN DESSIN**
C

LE PROGRAMME PERMET LA REPRESENTA-TION EN PERSPECTIVE DE TOUT OBJET, ETANT DONNE UN REPERE ORTHONORME (O, X, Y, Z), SI L'ON DONNE LES INFORMATIONS SUIVANTES:
-LES COORDONNEES DU POINT DE VUE
 (C.A.D. DE L'OEIL)
-LES COORDONNEES D'UN POINT VISE
 (DANS LA DIRECTION DU REGARD)
-LA DISTANCE SOUHAITEE ENTRE LE
 CENTRE DU DESSIN ET UN POINT DONNE DE LA PERSPECTIVE.

00122 PGM LINES 013 DATA REGS
BENOIT-LEMERCIER
B - BRUXELLES

25124 **CROSSCORRELATION DE DEUX SIGNAUX CONTINUS BORNES**
C

CE PROGRAMME CALCULE L'INTERCORRE-LATION CFG(T) DE DEUX FONCTIONS CONTINUES BORNEES, L'INTEGRALE ETANT CACULEE SUIVANT LA METHODE DE SIMPSON. APRES AVOIR ENTRE LES FONCTIONS F ET G AVEC LEURS BONRES ET LE NOMBRE DE POINTS POUR T<0 ET

25124 (CONTD)

T>=0, LE CALCULATEUR IMPRIME LES
RESULTATS ET TRACE LA FONCTION
D'INTERCORRELATION OBTENUE:
-POUR 36 POINTS 1 MODULE MEMOIRE
 EST NECESSAIRE
-POUR 100 POINTS 2 MODULES MEMOIRES
 SONT NECESSAIRE

00196 PGM LINES 130 DATA REGS
LECLUSE YVES
F - DOUVRES

25125 VARIOGRAMME
C

CONNAISSANT LES TENEURS D'ECHANTIL-
LONS PRELEVES SUR UN RESAU DE FOR-
AGES REGULIER ET PLUS OU MOINS OR-
THOGONAL,FAIT SUR UN GISEMENT,CE
PROGRAMME PERMET LE CALCUL DE LA
TENEUR MOYENNE,DE SA VARIANCE,AINSI
QUE DES VARIOGRAMMES POUR 5 INTER-
VALLES DIFFERENTS DANS UNE DIREC-
TION.IL S'AGIT D'UNE METHODE DE
GEOSTATISTIQUE QUI A POUR BUT DE
CONSTRUIRE UN MODELE OPERATIONNEL
DES REGIONALISATIONS POUR LE PROPOS
DE L'ESTIMATION. AVANT DE PASSER A
LA MODELLISATION THEORIQUE,ON FAIT
L'ETUDE DE LA STATIONNARITE.

00113 PGM LINES 056 DATA REGS
JEAN SAVARY
CH - RENENS

25127 TGTE-CERCLE
C

CERCLE: DONNE LE CENTRE ET LE RAYON
        D'UN CERCLE PASSANT PAR 3
        POINTS DONNES A & B ET C.
TGTE : DONNE LE CENTRE ET LE RAYON
        D'UN CERCLE DONNE PAR 2
        POINTS A & B ET LA TANGENTE
(CES 2 PROGRAMMES TRAVAILLENT DANS
R**2)

00189 PGM LINES 000 DATA REGS
JOYET YVES
CH - LAUSANNE

25128 SPHERE
C

DONNE (DANS R**3) LE CENTRE ET LE
RAYON DE LA SHPERE PASSANT PAR LES
4 POINTS DONNES A, B, C ET D

00240 PGM LINES 019 DATA REGS
JOYET YVES
CH - LAUSANNE

25129 SECANTE
C

RECHERCHE LES ZEROS DE LA FONCTION
DONNEE DANS UN INTERVALLE X0 X 1
DONNE S'ARRETE LORSQUE
/F(X)/<=10**-10
ECHEC SI F(XI)=F(XI-1) ET
/F(XI)/>10**-10

00059 PGM LINES 006 DATA REGS
JOYET YVES
CH - LAUSANNE

25130 NOMBRES PREMIERS
C

CE PROGRAMME VOUS MONTRE LES
NOMBRES PREMIERS JUSQU'A 10193.
TRES RAPIDE, MAIS IL VOUS DOIT 3
MODULES DE MEMOIRE ET UN LECTEUR
DE CARTES.

03000 PGM LINES 000 DATA REGS
JOHN IOANNIDIS
GR - ATHENS

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ANWENDUNGS-VERZEICHNIS

LISTE PAR APPLICATION

ELENCO DELLE APPLICAZIONI

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30001 VERIFICA SEZIONE GENERICA IN CEMENTO ARMATO

C

ESEGUE LA VERIFICA IN CAMPO ELASTICO A FLESSIONE, A PRESSO-FLESSIONE, A TENSO FLESSIONE, A COMPRESSIONE E A TRAZIONE, PER UNA SEZIONE IN CEMENTO ARMATO DISCRETIZZABILE CON UN NUMERO INDEFINITO DI RETTANGOLI, ARMATA CON UN NUMERO INDEFINITO DI BARRE. LA SEZIONE PUO ESSERE PARZIALMENTE REAGENTE. IL PROGRAMMA PUO ESSERE USATO ANCHE PER LA VERIFICA DI COLLEGAMENTI BULLONATI A FLANGIA. FORNISCE INOLTRE LA POSIZIONE DEL BARICENTRO EL IL MOMENTO D'INERZIA DELLA SEZIONE IDEALE REAGENTE PER LA VERIFICA A TAGLIO.

00363 PGM LINES 023 DATA REGS
PIERO GELFI
I - BRESCIA

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PROGRAM ABSTRACT

KURZBESCHREIBUNG

PRÉSENTATION INDIVIDUELLE

COMPENDIO

35001 COMPUTO ELECTORAL POR LA LEY DE D'HONDT, PARA<=10 PARTIDOS

C

CONOCIENDO EN UNAS ELECCIONES EL NUMERO DE ESCANOS DISPONIBLES Y LOS VOTOS O % DE VOTOS ESCRUTADOS POR CADA PARTIDO, SE CALCULA LA DISTRIBUCION DE ESCANOS ENTRE LOS DIFFERENTES PARTIDOS, DE ACUERDO CON LA LEY DE D'HONDT. ESTE PROGRAMMA ES VALIDO PARA UN NUMERO DE PARTIDOS IGUAL O MENOR DE DIEZ.

00141 PGM LINES 058 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

35002 COMPENSACION PARA CENTRALES TERMICAS QUE QUEMAN COMBUSTIBLES SOLIDES

C

APLICACION DE LAS ORDENES MINISTERIALES DE:
-25 FEBRERO 1977 (INDUSTRIA) POR LA QUE SE REGULAN LOS PRECIOS DE COMBUSTIBLES SOLIDOS CON DESTINO A CENTRALES TERMICAS.
-3 AGOSTO 1979 (INDUSTRIA Y ENERGIA) POR LA QUE SE FIJA LA PARTICIPACION DE OFICO Y SE REGULAN LAS COMPENSACIONES QUE DEBE ABONAR A LAS EMPRESAS EXPLOTADORAS DE CENTRALES TERMICAS.
-Y ACUERDO DEL CONSEJO DE MINISTROS DEL 7 ENERO 1980
NO OF DATA REGISTER 40=SIZE 8+32

00126 PGM LINES 000 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

35003 RESULTADOS DE EXPLOTACION DE UNA CENTRAL TERMICA

C

INTRODUCIENDO COMO DATOS LA PRODUCCION BRUTA,LOS SEVICIOS AUXILIARES Y LAS PERDIDAS DE TRANSFORMACION EN MWH, LAS TONELADAS DE CARBON CONSUMIDAS,LAS DE FUEL-OIL Y GAS-OIL DE APOYO Y/O ENCENDIDO,LOS PCS Y PCI DEL CARBON, HORAS DE SERVICIO, LA POTENCIA DEL GRUPO O TOTAL CENTRAL, LA ENERGIA NO PRODUCIDA POR REVISION Y POR FALTA DE DEMANDA, Y UN NUMERO INDICATIVO DEL MES O ANO CONSIDERADO, SE CALCULA LA PRODUCCION NETA...
NO OF DATA REGISTERS 59=SIZE 17+42

00190 PGM LINES 000 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

~~35004~~ RENDIMIENTO CALDERA POR EL METODO DE PERDIDAS SEPARADAS-ASME

C

-CORREGIDO O SIN CORREGIR A LAS CONDICIONES ESTANDAR-
RENDIMIENTO DE CALDERA POR EL METODO DE PERDIDAS SEPARADAS,DE ACUERDO CON EL CODIGO ASME. SIN CORREGIR O CORREGIDO A LAS CONDICIONES DE GARANTIA.EL CALCULO ESTA SIMPLIFICADO AL CONSIDERAR FIJAS LAS PERDIDAS POR LA HUMEDAD DEL AIRE DE COMBUSTION Y LAS PERDIDAS POR RADIACION, DEBIDO A LA ESCASA INCIDENCIA SOBRE EL RENDIMIENTO.
NO OF DATA REGISTERS 56=SIZE 20+36

00158 PGM LINES 000 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

35005 CONSUMO ESPECIFICO DE CALOR DEL CICLO DE TURBINAS DE VAPOR

C

CONOCIENDO LAS ENTALPIAS Y CAUDALES EN DIFERENTES PARTES DEL CICLO DE TURBINA, SE CALCULA LOS CAUDALES DE LAS EXTRACCIONES 1,2 Y 3 DE LA TURBINA, EL CAUDAL DE AGUA DE ALIMENTACION, EL CAUDAL DE LA TURBOBOMBA, EL CAUDAL DEL VAPOR SOBRECALENTADO A LA ENTRADA DE LA TURBINA, LOS CAUDALES DE VAPOR RECALENTADO FRIO Y CALIENTE, LA POTENCIA DE LA TURBOBOMBA, Y EL CONSUMO ESPECIFICO DE CALOR DEL CICLO DE TURBINA. ESTE PROGRAMA TAMBIEN INCLUYE EL CALCOL DEL CAUDAL DE AGUA DE CONDENSADO UTILIZANDO UNA TOBERA CALIBRADA...

35005 (CONTD)

00299 PGM LINES 100 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

35006 RESOLUCION DE SISTEMAS DE DOS ECUACIONES CON DOS INCOGNITAS

C

RESOLUCION DE SISTEMAS DE DOS ECUACIONES CON DOS INCOGNITAS TANTO POLINOMICAS COMO TRASCENDENTES
-EL PROGRAMA RESUELVE SISTEMAS POLINOMICOS Y TRASCENDENTES DE DOS ECUACIONES CON DOS INCOGNITAS MEDIANTE GENERALIZACION DEL METODO ITERATIVO DE NEWTON. LAS ECUACIONES USADAS SE EXPONEN MAS ADELANTE EN EL APARTADO CORRESPONDIENTE.

00112 PGM LINES 010 DATA REGS
FRANCISCO-JAVIER PAMIES DURA
E - MADRID

35007 RACETRACK HP-41C

C

ESTE PROGRAMA ES UN SIMULADOR DE UNA CORRERA DE COCHES DE LA VIDA REAL; CADA COCHE DISPOUE DE 5 MARCHAS,Y GANA EL QUE ANTES CRUZE LA META. EL COCHE QUE SE SALGA DE LA PISTA SERA DESCALIFICADO. EL ESTADO DE LA CARRETERA ES ELEGIBLE ENTRE: HIELO, ILUVIA BARRO, NORMAL, BUENO Y BUENISIMO.

00319 PGM LINES 037 DATA REGS
JORGE HERNANDEZ LATORRE
E - ZARAGOZA

35008 EQUILIBRIO EN UN PUNTO (INFINITAS CARGAS)

C

EL PROGRAMA CALCULA EL EQUILIBRIO EN UN NODO AL CUAL CONCURREN DOS BARRAS. LA CARACTERISTICA PRINICPAL ES QUE SE PUEDE APLICAR A INFINITAS CARGAS. CALCULANDO LA RESULTANTE SOBRE LAS BARRAS CONCURRENTES.
EL METODO SEGUIDO APPOVECHA LOS REGISTROS ESTADISTICOS PARA SUMAR TODAS LAS CARGAS Y DAR UNA RESULTANTE UNICA.

00052 PGM LINES 015 DATA REGS
JOSE M PEREZ DE LA CRUZ
E - MADRID

35009 COMBATE AEREO

C

UN JUEGO PARA ~~CUATRO~~ JUGADORES: CADA JUGADOR ESTA EN UN AVION Y TIENE QUE DESTRUIR A LOS OTROS TRES. LA POSICION, VELOCIDAD Y FUEL SON CALCULADOS Y PRESENTADOS. LA VELOCIDAD Y ANGULO DE VARIACON SON EXPUESTOS DENTRO DE LOS LIMITES CALCULADOS.
CUIDADO: AHORRA TU FUEL Y NO DISMINUYAS TU VELOCIDAD MUCHO SI NO TE QUIERES ESTRELLAR.

00270 PGM LINES 031 DATA REGS
JORGE HERNANDEZ LATORRE
E - ZARAGOZA

35010 "LEVANTAMIENTO TOPOGRAFICO TAQUIMETRICO"

C

ESTE PROGRAMA PERMITE LA OBTENCION DE LAS COORDENADAS TAQUIMETRICAS (PLANIMETRICAS Y ALTIMETRICAS) DE UN NUMERO CUALQUIERA DE PUNTOS VISADOS EN UN LEVANTAMIENTO TOPOGRAFICO POR RADIACION, A PARTIR DE LOS SIGUIENTES DATOS DE CAMPO:
LECTURAS SUPERIOR E INFERIOR DE LOS HILOS, ANGULOS CENITAL (O VERTICAL) Y HORIZONTAL, Y ALTURA DEL TEODOLITO O NIVEL SOBRE EL SUELO.
EL NUMERO DE ESTACIONES EFECTUADO ES TAMBIEN ILIMITADO; ASIMISMO, LA CONSTANTE DIASTIMOMETRICA DEL APARATO, PUEDE SER 100 O 50.

00172 PGM LINES 047 DATA REGS
ANGEL MARTIN CANAS
E - ALICANTE

35011 DIVERSIDAD DE UN ECOSISTEMA

C

EL PROGRAMA PERMITE OBTENER EL VALOR DEL INDICE DE DIVERSIDAD DE UN ECOSISTEMA SEGUN LA FORMULA DE BRILLOUIN, QUE FIGURA EN "ECOLOGIA" DE R. MARGALEF.- EDIT. OMEG.- BARCERLONA./ 1974.- PAG. 367.

00060 PGM LINES 016 DATA REGS
R FARRANDO-BOIX
E - BARCELONA

35012 IMPUESTO SOBRE LA RENTA DE LAS PERSONAS FISICAS-DELARACION ORDINARIA

C

IMPUESTO SOBRE LA RENTA DE LAS PERSONAS FISICAS, EN ESPANA. DECLARACION ORDINARIA.
A PARTIR DE LOS DATOS DE INGRESOS, ESCALA DE GRAVAMEN, DEDUCCIONES SEGUN ART-29 DE LA LEY, Y RETENCIONES; SE DETERMINA LA BASE IMPONIBLE LA CUOTA INTEGRA Y EL TOTAL DE LA DEUDA TRIBUTARIA, O LA DEVOLUCION SI PROCEDE.
PARA ESTOS CALCULOS ES NECESARIO INCLUIR UN MODULO DE MEMORIA EN LA HP-41C, Y HAY QUE UTILIZAR EL PRINTER.

00200 PGM LINES 087 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

35013 IMPUESTO SOBRE LA RENTA DE LAS PERSONAS FISICAS-DECLARACION SIMPLIFI.

C

IMPUESTO SOBRE LA RENTA DE LAS PERSONAS FISICAS, EN ESPANA. DECLARACION SIMPLIFICADA.
A PARTIR DE LOS DATOS DE INGRESOS, GASTOS DEDUCIBLES, ESCALA DE GRAVAMEN, DEDUCCIONES DE LA CUOTA Y RENTENCIONES, SE DETERMINA LA BASE IMPONIBLE, LA CUOTA LIQUIDA Y EL TOTAL DE LA DEUDA TRIBUTARIA, O DEVOLUCION SI PROCEDE.
ES NECESARIO UTILIZAR EL PRINTER.

00112 PGM LINES 059 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

35014 EQUILIBRADO DINAMICO DE UN ROTOR EN UN PLANO,POR EL METODO VECTORIAL

C

PARA EL EQUILIBRADO DINAMICO DE UN ROTOR, CONCIENDO EL VECTOR RESPONSABLE DEL DEJEQUILIBRIO INICIAL EN UN PLANO, EL PESO DE ENSAYO P1 CON SU POSICION Y EL CORRESPONDIENTE VECTOR DE DESEQUILIBRIO, SE DETERMINA EL PESO CORRECTOR P A ANADIR EN EL PLANO SELECCIONADO DEL EQUILIBRADO DEL ROTOR.

00084 PGM LINES 035 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

35015 EQUILIBRADO DINAMICO DE UN ROTOR EN UN PLANOS, POR EL METODO VECTORIAL

C

PARA EL EQUILIBRADO DINAMICO DE UN ROTOR, CONOCIENDO LOS VECTORES RESPONSABLES DEL DESEQUILIBRIO INICIAL

35015 (CONTD)

EN DOS PLANOS "A" Y "B", LOS PESOS DE ENSAYO P1 (EN EL PLANO "A") Y P2 (EN EL PLANO "B") CON SUS POSICIONES Y LOS CORRESPONDIENTES VECTORES DE DESEQUILIBRIO, SE DETERMINAN LOS PESOS CORRECTORES PA Y PB A ANADIR EN CADA UNO DE LOS PLANOS SELECCIONADOS DE EQUILIBRADO DEL ROTOR.
ES NECESARIO INCLUIR UN MODULO DE MEMORIA EN LA HP-41C.

00253 PGM LINES 076 DATA REGS
ANTONIO JIMENEZ-ARANA
E - MADRID

35016 RELACION PRESA / DEPREDADOR SEGUN LA TEORIA DE VOLTERRA

C

EL PROGRAM SIMULA LA RELACION ENTRE LAS PRESAS Y LOS DEPREDADORES DE UN ECOSISTEMA, EN BASE A LA TEORIA DE VOLTERRA - LOTKA.

00180 PGM LINES 045 DATA REGS
R FARRANDO-BOIX
E - BARCELONA

35017 CALCULO DEL "KG" DE EDIFICIOS

C

CALCULA EL COEFICIENTE GLOBAL DE TRANSMISION DE CALOR (KG) DE UN EDIFICIO. COMPARA ESTE VALOR CON EL MAXIMO PERMITIDO EN FUNCION DEL FACTOR FORMA Y DE LA ZONA CLIMATICA DE ACUERDO CON LA NORMA OBLIGATORIA NBE-CT-79
ES NECESARIO UN MODULO DE MEMORIA

00197 PGM LINES 006 DATA REGS
FELIPE SANCHEZ-CUENCA
E - PALMA DE MALLORCA

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ANWENDUNGS-VERZEICHNIS

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PROGRAM ABSTRACTS

40001 TOTOMAAT
C
DIT PROGRAMMA LEVERT VOOR ELKE WEDSTRIJD EEN 1,2, OF 3.DE KANS OP EEN 1,2 OF 3 HANGT AF VAN DE POSITIE VAN DE TEGEN ELKAAR SPELENDE CLUBS OP DE RANGLIJST.
MET BEHULP VAN DIT PROGRAMMA WORDT UW KANS OP ALLE DERTIEN GOED IN DE NEDERLANDSE OF BELGISCHE TOTO VERGROOT.

00075 PGM LINES 020 DATA REGS
R MEIJLINK
NL - BREUKELEN

40002 LOTTO SPEL
C
DIT PROGRAMMA IS EEN SIMULATIE VAN HET BELGISCHE LOTTOSPEL. U HEEFT EEN BEDRAG IN POT DAT VERMINDERT PER KEER UHET SPEL SPEELT. WANNEER U VAN DE 6 TE RADEN GETALLEN, U ER 3 OF MEER JUIST HEEFT STIJGT UW POT MET EEN BEPAALD BEDRAG. WANNEER DE POT LEEG IS IS HET SPEL TEN EINDG. (6 GETALLEN TE KIEZEN TUSSEN 1 EN 40)

00227 PGM LINES 020 DATA REGS
GEERT VERCAUTEREN
B - MELSELE

40003 LOTTO
C
PROGRAMMA GEEFT 6 VERSCHILLENDE GETALLEN TUSSEN 1 EN 40 IN AEKENKUNDIGE VOLGORDE EN KAN DUS GEBRUIKT WORDEN VOOR HET INUULLEN VAN UW LOTTOFORMULIER.

00087 PGM LINES 013 DATA REGS
GEERT VERCAUTEREN
B - MESELE

40004 GETALLEN ORDENEN
C
HET PROGRAMMA RANGSCHIKT TOT 302 GETALLEN (HANGT AF VAN HOEVEEL MEMORY MODULES ER ZIJN) VOLGENS REKENKUNDIGE GROOTTE.

00064 PGM LINES 003 DATA REGS
GEERT VERCAUTEREN
B - MELSELE

40005 KALENDER, DANSKE UGEDAGE
C
DETTE PROGRAM BENYTTES TIL AT OMREGNE MELLEM TO DATOER OG ANTALLET AF DAGE HERIMELLEM. NAAR TO AF DE TRE STORRELSER ER KENDTE KAN DEN TREDJE BEREGNES. PROGRAMMET INKLUDERER DESUDEN TO RUTINER, DER OMREGNER FRA EN DATO TIL ET DAG-NUMMER OG OMVENDT. DA INGEN AF DISSE TO RUTINER BENYTTER DATAREGISTRE ELLER FLAG, ER DE OGSAA ANVENDELIGE SOM UNDERRUTINER I ANDRE PROGRAMMER. DATOER INDTASTES PAA NORMAL VIS:DAG ,MAANED AAR. PROGRAMM. FINDES OGSAA I DEN ENGELSKE DEL AF BIBLIOTEKET MED ENGELSKE UGEDAGE.

00170 PGM LINES 003 DATA REGS
BJORN ENGSIG
DK - ALLEROD

40006 WARMTEVERLIEZEN DIN 4701
C
PROGRAMMA BEREKENT DE TOTALE WARMTEVERLIEZEN VAN EEN RUIMTE. TWEE DELEN: TRANSMISSIEVERLIEZEN EN VENTILATIEVERLIEZEN. DIT VOLGENS DIN 4701.

00170 PGM LINES 012 DATA REGS
ERIC VAN LANDEGHEM
B - BEVEREN

40007 WARMTETRANSMISSIE (LBL OSTIJN)
C
HET PROGRAMMA BEREKENT DE WARMTETRANSMISSIECOEFFICIENT (K), WARMTESTROOMDICHTHED (Q), ALSOOK DE OPPERVLAKTETEMPERATUREN VAN DE VERSCHILLENDE MATERIALEN VAN OFWEL EEN BUITENMUUR, EEN GEVENTILEERDE SPOUWMUUR, EEN NIET GEVENTILEERDE

40007 (CONTD)

SPOUWMUUR, EEN BINNENMUUR, OF EEN VLOEROPPERVLAK.

00266 PGM LINES 017 DATA REGS
GEERT VERCAUTEREN
B - MELSELE

40008 KETELCAPACITEIT & BRANDSTOFVERBRUIK (LBL BRANDST)
C
BEREKENING VAN DE NODIGE KETELCAPACITEIT VAN CENTRALE VERWARMINGSINSTALLATIE, PLUS HET BRANDSTOF VERBRUIK PER JAAR.

00047 PGM LINES 001 DATA REGS
GEERT VERCAUTEREN
B - MELSELE

40009 KLINKNAGELS (LBL NAGELS)
C
PROGRAMMA BEREKENT AANTAL KLINKNAGELS BIJ OVERLAP, ENKELE STRIP-, EN DUBBELE STRIPVERBINDING. BEREKENT VEREISTE BREEDTE VOOR HET NAGELONTWERP & STRIPDIKTE BIJ ENKELE- EN DUBBELE STRIPVERBINDING.

00249 PGM LINES 020 DATA REGS
GEERT VERCAUTEREN
B - MELSELE

40010 KLOK
C
HAAT DE TIJD ZIEN ZOALS UITGESPROKEN WORDT: 10 VOOR HALF 3 VM, 7 VOOR 5 NM, ED. GEEFT EEN TONE BIJDE KWARTIEREN, EEN BEEP OP HET HALF UUR EN SLAAT OP HET VOLLE UUR. LOOPT GOED GELIJK!

00187 PGM LINES 001 DATA REGS
J VRIEND
NL - HAARLEM

40011 MEMO
C
DIT PROGRAMMA LAAT TOE OM OP EEN VOUDIGE WIJZE ALPANUMERIEKE BOODSCHAPPEN IN TE TOETSEN EN LATER WEER TERUG TE ROEPEN.VIER SNELHEDEN MOGELIJK.

00078 PGM LINES 022 DATA REGS
ERIC VAN LANDEGHEM
B - BEVEREN

40012 REACTIETEST
C
DIT PROGRAMMA GEEFT UW REACTIETIJD IN WAARDEN VAN 1 TOT 15 EN UW GEMIDDELDE OVER TIEN POGINGEN. (PROGRAMMA IS NIET ZO SNEL).

00079 PGM LINES 004 DATA REGS
ERIC VAN LANDEGHEM
B - BEVEREN

40013 MASTER MIND (NUMB)
C
MASTER MIND SPEL MET VARIABEL CIJFER AANTAL. DIT AANTAL WORDT DOOR DE SPELER ZELF GEKOZEN.
DE GETALLEN BESTAAN UIT ALLEMAAL VERSCHILLENDE CIJFERS.
NO OF DATA REGISTERS:30+9+2N
N=AANTAL CIJFERS

00121 PGM LINES 000 DATA REGS
LIENART XAVIER
B - LEUVEN

40014 MANDATFOERDELNING
C
EFTER INMATNING AV ANTALET PARTIER, DERAS RESPEKTIVE ROESTETAL SAMT ANTALET MANDAT SOM SKA FOERDELAS, BERAEKNAR PROGRAMMET ANTALET MANDAT SOM VARJE PARTI FAR MED DEN I SVERIGE ANVAENDA JAEMKADE UDDATALSMETODEN. MAXIMALT ANTAL PARTIER AER 8 ST.

00116 PGM LINES 063 DATA REGS
ARNDT JONASSON
S - SOLNA

40015 LINEAIRE PROGRAMMERING (SIMPLEX METHODE) I
C
LINEAIRE PROGRAMMERING GEBRUIK MAKEND VAN DE SIMPLEX METHODE. DE UITVOERING VAN HET PROGRAMMA GEBEURT IN 1 FAZE. HET PROGRAMMA IS ENKEL BEPERKT DOOR DE BESCHIKBARE GEHEUGENKAPACITEIT; HET GEBRUIKT 87+M**2+3M+3N+M.N GEHEUGENREGISTERS WAARBIJ M=BEPERKINGEN EN N=ONBEKENDEN. HET PROGRAMMA LOST ZOWEL MINIMALISATIES ALS MAXIMALISATIES OP.

00328 PGM LINES 074 DATA REGS
LIENART XAVIER
B - LEUVEN

40016 LINEAIRE PROGRAMMERING (SIMPLEX METHODE) II
C
LINEAIRE PROGRAMMERING GEBRUIK MAKEND VAN DE SIMPLEX METHODE. DE UITVOERING VAN HET PROGRAMMA GEBEURT IN 2 FAZEN DOOR MIDDEL VAN EEN MERGE-INSTRUKTIE. HET PROGRAMMA IS ENKEL BEPERKT DOOR DE BESCHIKBARE GEHEUGENKAPACITEIT;HET GEBRUIK 55+M**2+M.N+3M+3N GEHEUGENREGISTERS WAARBIJ M=BEPERKINGEN EN N=ONBEKENDEN.
HET PROGRAMMA LOST ZOWEL MINIMALISATIES ALS MAXIMALISATIES OP.

00151 PGM LINES 042 DATA REGS
LIENART XAVIER
B - LEUVEN

USERS' PROGRAM LIBRARY EUROPE
EUROPÄISCHE BENUTZER-PROGRAMMBIBLIOTHEK
BIBLIOTHÈQUE EUROPÉENNE DE PROGRAMMES UTILISATEURS
BIBLIOTECA EUROPEA DEGLI UTILIZZATORI

PROGRAM ORDER FORM
PROGRAMMBESTELLSCHEIN/BULLETIN DE COMMANDE DE PROGRAMMES/MODULO DI ORDINE DEI PROGRAMMI

To order programs please use only this form
Für Programmbestellungen bitte nur diesen Bestellschein verwenden
Veuillez n'utiliser que ce bulletin pour commander des programmes
Vogliate utilizzare soltanto questo modulo per i vostri ordini

In numerical order, please
Bitte in numerischer Reihenfolge
Dans l'ordre numérique, s.v.p.
In ordine numerico, per favore

1) ____________ 5) ____________ 9) ____________
2) ____________ 6) ____________ 10) ____________
3) ____________ 7) ____________ 11) ____________
4) ____________ 8) ____________ 12) ____________

____________ X ________ = ____________

* **Minimum order size is 4 programs**
Mindestbestellung 4 Programme
Commande minimum 4 programmes
Ordine minimo 4 programmi

* **Invoices will be issued on request for orders more than 10 programs only**
Rechnungen werden auf Anfrage nur für Bestellungen von über 10 Programmen ausgestellt
Une facture ne sera établie que sur demande pour des commandes de plus de 10 programmes
Una fattura sarà emessa solo per ordini superiori a 10 programmi

* **Price per standard size program is 10 Swiss Francs**
Ein Standardformat-Programm kostet 10 Schweizer Franken
Le prix d'un programme standard est de 10 Francs Suisses
Il prezzo di un programma standard è di 10 franci svizzeri

* **Please check your prefered payment made**
Bitte wählen Sie Ihre bevorzugte Zahlungsart
Veuillez choisir votre mode de règlement
Vogliate scegliere il vostro modo di pagamento

☐ **Cheque enclosed payable to the order of "Hewlett Packard SA"**
Scheck beiliegend ausgestellt an «Hewlett-Packard SA»
Chèque inclus à l'ordre de «Hewlett-Packard SA»
Assegno incluso all'ordine della «Hewlett-Packard SA»

☐ **Bank transfer to Swiss Credit Bank, Geneva, Account No. 327-360**
Banküberweisung an Schweizerische Kreditanstalt, Genf, Konto-Nr. 327-360
Transfert de banque au Crédit Suisse, Genève, compte nº 327-360
Trasferimento bancario al Credito Svizzero, Ginevra, conto nº 327-360

* **Use one of your shipping labels or print clearly, please**
Adressenaufkleber oder Druckbuchstaben, bitte
Etiquette collante ou caractères d'imprimerie, s.v.p.
Etichetta adesiva o stampatello, per favore

Name
Name/Nom/Nome ____________

Address
Strasse/Adresse/Indirizzo ____________

City
Ort ____________
Localité
Città

Postal Code
Postleitzahl ____________
Code postal
C.A.P.

Country
Land ____________
Pays
Paese

Date
Datum ____________
Date
Data

Signature
Unterschrift ____________
Signature
Firma

PROGRAM ORDERS

- Only orders using the official order form can be processed.
- Minimum order is 4 programs.
- All orders for less than 10 programs must be accompanied by payment, cheque or bank transfer for the relevant amount.
- Invoices are issued on request only for orders of more than 10 programs.
- Please list the programs ordered in numerical sequence, to facilitate retrieval at the Library.
- The payment can be in form of a cheque made payable to the order of Users' Program Library Europe, or by bank transfer to the Swiss Credit Bank, Geneva, Account Number 327–360.

  For residents of France cheque must be made payable to Credit Lyonnais, Annemasse to the Account of Hewlett-Packard or by bank transfer to agency number 2134, Account 42–314.
- Programs including description, listing and magnetic cards*, cost 10 Swiss Francs or the equivalent amount in convertible currency. Some programs are double or even triple volumes and cost twice or three times above price.

  * Program cards supplied by the Library are identified with the appropriate program number only. In the HP-67/97 STANDARD CATALOGUE the programs are available only without magnetic cards and cost 8 Swiss Francs or local currency equivalent.

PROGRAMMBESTELLUNGEN

- Es können nur auf dem offiziellen Programmformular einlaufende Bestellungen verarbeitet werden.
- Der Mindestbestellumfang sind 4 Programme.
- Bei allen Bestellungen unter 10 Programmen hat die Zahlung gleichzeitig zu erfolgen bzw. der Scheck oder die Banküberweisung lautend auf den entsprechenden Betrag ist beizulegen.
- Rechnungen werden auf Anfrage nur bei Bestellungen von mehr als 10 Programmen ausgestellt.
- Bitte geben Sie die bestellten Programme in numerischer Reihenfolge an – dies erleichtert ihr Aufsuchen in der Bibliothek.
- Die Bezahlung kann in Form eines Schecks erfolgen, zahlbar an die Europäische Benützer-Programm-Bibliothek, oder mittels Banküberweisung an die Schweizerische Kreditanstalt, Genf, Kontonummer 327–360.
- Die Programme umfassen eine Beschreibung, eine Programmauflistung und Magnetkarten*, der Preis ist 10 Schweizer Franken oder der entsprechende Betrag in konvertibler Landeswährung. Einige Programme sind Doppel- oder sogar Dreifachprogramme und kosten daher das Doppelte oder Dreifache des obigen Preises.

  * Von der Bibliothek gelieferte Programmkarten sind nur mit der entsprechenden Programmnummer gekennzeichnet. Programme gemäss dem HP-67/97 STANDARDKATALOG können nur ohne Magnetkarten geliëfert werden und kosten 8 Schweizer Franken oder den entsprechenden Betrag in konvertibler Landeswährung.

COMMANDE DE PROGRAMMES

- Seuls les ordres adressés sur le formulaire correct peuvent être pris en considérations.
- La commande minimum est de 4 programmes.
- Toutes les commandes pour moins de 10 programmes doivent être accompagnées du paiement de la somme exacte, soit par chèque ou transfert bancaire.
- Sur demande, des factures peuvent être envoyées uniquement pour les commandes de plus de 10 programmes.
- Veuillez donner la liste des programmes par ordre numérique, pour faciliter le recouvrement au Club.
- Le paiement peut être fait sous forme de chèque à l'ordre du Club des Utilisateurs – Europe, ou par transfert bancaire au Crédit Suisse à Genève, compte no 327–360.

  Pour les personnes résidant en France, le transfert bancaire doit être fait au Crédit Lyonnais, Annemasse, au compte de Hewlett-Packard à l'agence no 2134, compte 42–314.
- Les programmes comprenant la description, le listage et les cartes magnétiques*, coûtent 10 Francs Suisses ou le montant équivalent en monnaie étrangère convertible. Certains programmes, doubles ou triples, coûtent deux ou trois fois le prix ci-dessus.

  * Les cartes de programme fournies par le Club ne sont identifiées que par leur numéro de programmes. Dans le CATALOGUE STANDARD HP-67/97, les programmes sont fournis sans les cartes magnétiques et coûtent 8 Francs Suisses ou l'equivalent en monnaie étrangère.

ORDINI DEI PROGRAMMI

- Soltanto gli ordini ricevuti sui moduli ufficiali d'ordine possono essere evasi.
- Ordine minimo di 4 programmi.
- Gli ordini fino a 10 programmi devono essere accompagnati da un assegno od un trasferimento bancario per l'importo equivalente.
- Su richiesta, può essere emessa fattura, ma solo per ordini superiori a 10 programmi.
- Vogliate elencare i programmi selezionati in progressione numerica, per agevolare la ricerca nella Biblioteca.
- Il pagamento può essere fatto a mezzo assegno intestato alla «Users' Library Europe» oppure tramite trasferimento bancario sul conto numero 327–360 del «Credito Svizzero» a Ginevra.
- Il costo dei programmi che includono la descrizione, il listato e le schede magnetiche preregistrate* è di Franchi Svizzeri 10.– od in altra moneta convertibile per l'importo equivalente. Poiché alcuni dei programmi sono volumi doppi ed anche tripli, il prezzo puo essere superiore (di due o tre volte a quello normale).

  * Le schede dei programmi fornite dalla Biblioteca sono identificate soltanto mediante il numero appropriato del programma. Nel CATALOGO STANDARD HP-67/97, i programmi sono disponibili solamente senza carte magnetiche. Il loro prezzo è di Franchi Svizzeri 8.– oppure l'equivalente in moneta locale.

HEWLETT-PACKARD SA
Users' Program Library Europe
7, Rue du Bois-du-Lan
P.O. Box, CH-1217 Meyrin 2
Geneva – Switzerland

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