

Use scientific calculator for symbolic mathematics



Advanced mathematics capabilities of the HP-28C include vector and matrix math. And you can solve algebra and calculus problems conceptually using symbols or variables.

The HP-28C Scientific Professional Calculator is a new technical calculator capable of doing symbolic mathematics. Algebra and calculus operations can be performed with a few keystrokes. Problems can be solved conceptually and numbers keyed in later.

Designed for scientists, engineers, students, and math and computer specialists, the HP-18C lets you concentrate on the concepts of mathematics rather than on the mechanics. You save time because problems can be formulated right on the calculator—instead of using paper and pencil.

The HP-28C has a four-line by 23-character liquid crystal display and 128K bytes of ROM. A wide range of built-in programmable commands and keyboard operations are available.

Complex numbers, matrices, vectors, lists, algebraic expressions, and other data types can be viewed, edited, and used in calculations as easily as ordinary numbers.

Symbolic algebra and calculus

Equations can be entered and stored in your own terms with the equation-solver capability. The HP-28C lets you solve math operations without assigning numerical values to variables—and numbers can be substituted at any time.

Matrices, vectors, and plotting

Thirty commands provide a full range of matrix operations on real or complex-valued matrices and vectors. And the HP-28C can graphically depict any single-valued function and plot statistical data. Once an expression is plotted in the display, you can locate an approximate root, press a key to record the coordinates, and use the equation solver to calculate the root with 12-digit accuracy.

The HP-28C has separate alphabetic and numeric keyboards. When open, the calculator is 7.5 in. × 6.25 in. × 0.5 in. and weighs 8 ounces.

An optional, compact printer communicates with the calculator via an infrared beam. It allows you to record keystrokes, show stored data, or selectively print the display contents for review.

The HP-28C is priced at \$235. The infrared printer is \$135. For more information, check **C** on the HP Reply Card.

Infrared printer available for new calculators

The new HP 82240A is a thermal printer that communicates with two of Hewlett-Packard's new calculators via an infrared interface. To print from the Business Consultant (HP-18C) or Scientific Professional (HP-28C) calculators, you simply point the calculator at the printer and push PRINT. It works up to 18 inches (46 cm) away and is completely portable.

The infrared printer is powered by four AA alkaline batteries or by an optional ac adapter. The adapter does not recharge the batteries but it will extend their lives considerably.

The HP 82240A prints a 24-character line on 2.25-inch (58-mm) black-printing thermal paper. It gives you a printed record of your calculations when you need it—no matter where you are.

The infrared printer is priced at \$135. For more information, check **D** on the HP Reply Card.



The portable HP 82240A Infrared Printer communicates via an infrared light beam.