

Features and Benefits HP 49G Graphing Calculator

Introducing the HP 49G Graphing Calculator ...For those who want more than just the right answer.

Who will benefit from using the HP 49G?

The HP 49G has been designed for:

- College/university math, science and engineering students
- Senior year high school students taking advanced math and physics
- Math, science and engineering professionals

What are the key features and benefits of the HP 49G Graphing Calculator?

Large Memory Capacity

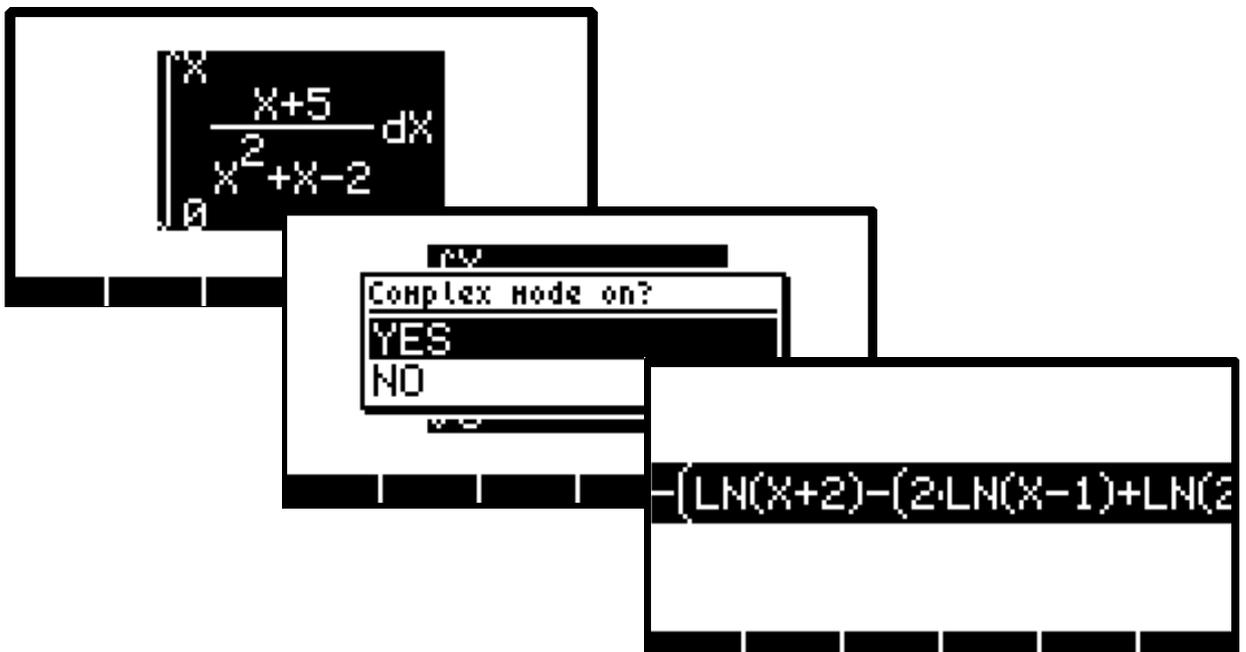
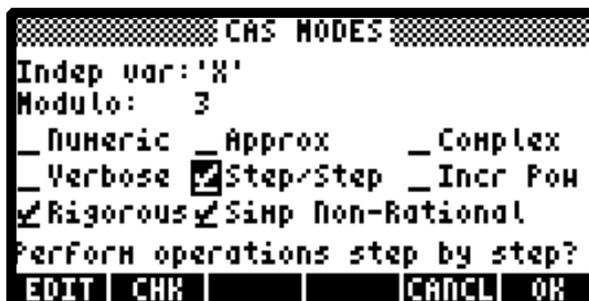
A large 1.5 MB of Memory (512KB RAM and 1 MB Flash ROM for data storage) allows you to benefit from the biggest and most comprehensive library of third party calculator programs, games and software applications.

Flash technology

2MB of Flash ROM that enables future electronic software upgrades, eliminating the need to buy a new calculator every time there are any software upgrades, enhancements or improvements.

Dynamic Algebra and Calculus

With an advanced built-in Computer Algebra System (CAS), the HP 49G boasts truly dynamic symbolic manipulation, and symbolic and numeric solving. Whether your needs are complex arithmetic, calculus functionality, or solving a system of linear equations, the advanced built-in CAS is flexible and dynamic, yet user-friendly. Working with complex equations or expressions? The HP 49G automatically prompts you to switch to complex mode.

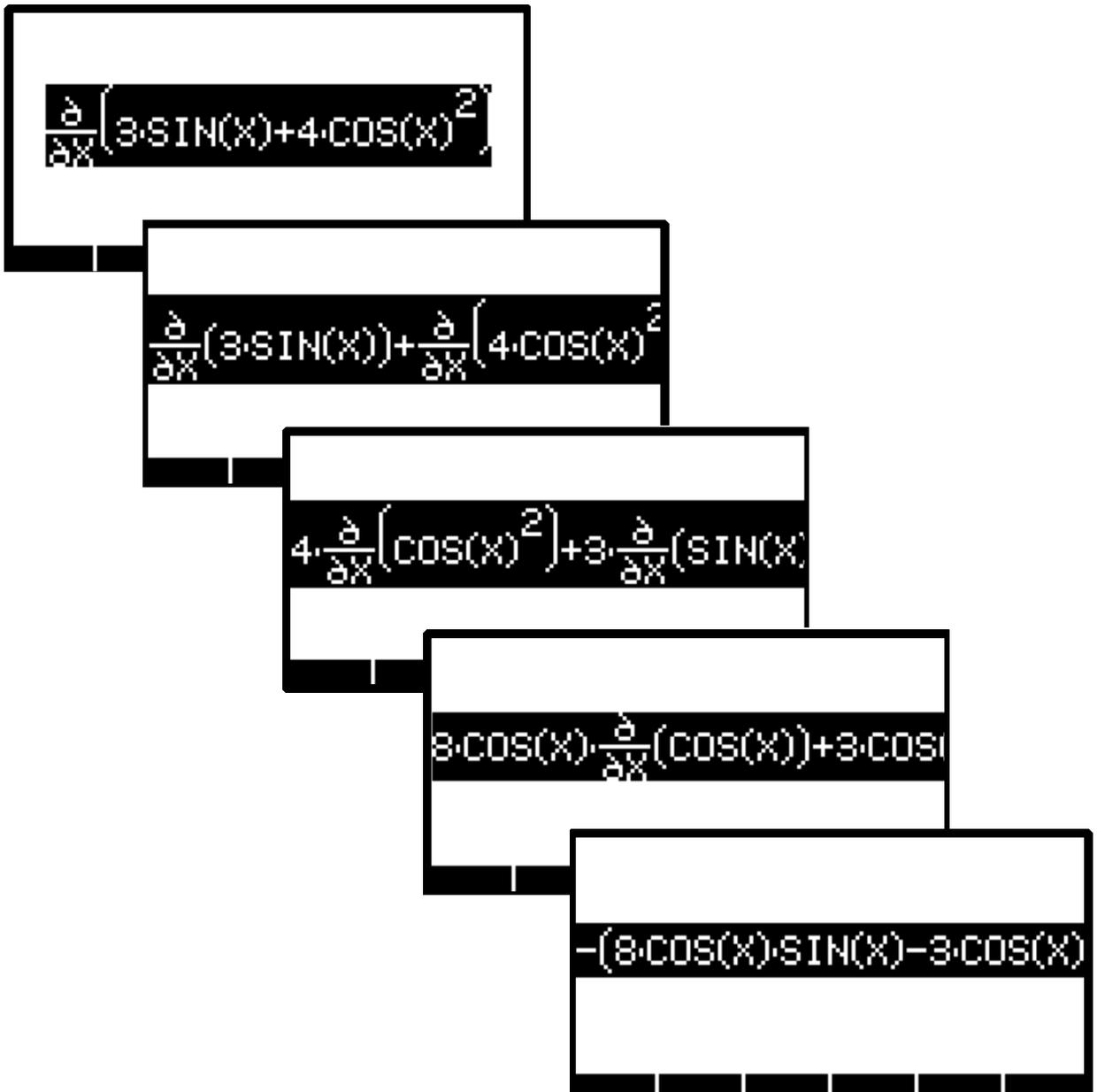


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Interested in learning how to get the right answer?

Then choose the CAS step-by-step mode for dynamic derivation, integration and linear algebra problem solving. All steps and results are displayed in textbook mode for easy viewing and understanding. After all, in a text or exam, the answer is only part of the solution.



Leading-Edge Design

Smooth edges, soft curves, and a sleek, sturdy design, make the HP 49G ideal for either hand-held or desktop use.

Who says calculators have to look dull and dreary!

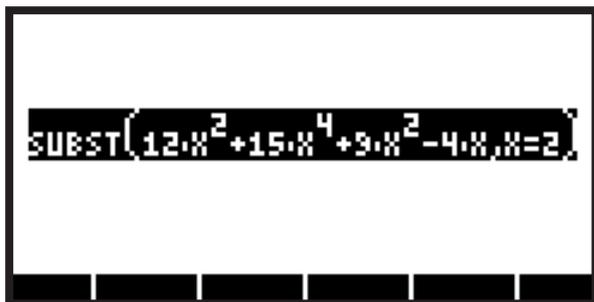
Chances are, if you are a HP 49G user, you will be using it a lot! So why should you have to keep looking at something that is dull and dreary! Of course, mathematics is serious business, but it doesn't have to be boring. The HP 49G comes in an appealing, light metallic blue with a matching translucent blue slide-on cover that help to minimize screen and keyboard damage.

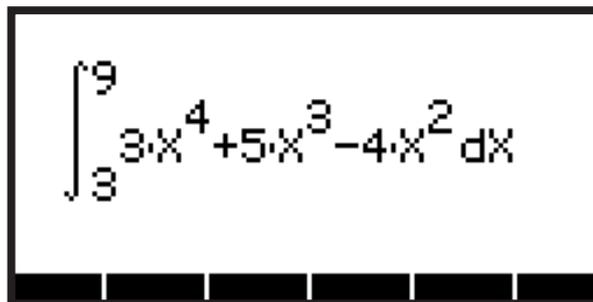
Tired of intimidating and confusing keyboard clutter?

The user-friendly HP 49G keyboard has large keys with soft edges, and generous key spacing, thus minimizing undesired key presses. Alpha letters appear on rather than above the keys, helping to reduce keyboard clutter.

See more on the big screen!

Choose to input and view equations and expressions on the big 131 x 64 pixel, high contrast screen in textbook mode, just as they appear in textbooks or on the blackboard. For more complex equations and expressions, you can minimize the need to scroll by selecting a smaller font size. There are four sizes and styles to choose from.


$$\text{SUBST}(12X^2+15X^4+9X^2-4X,X=2)$$


$$\int_3^9 (3X^4+5X^3-4X^2) dX$$

Customize your inputs and outputs

Choose from three input modes according to your preference: familiar textbook, traditional algebraic or efficient RPN, and two default-screen history display options: textbook or algebraic.

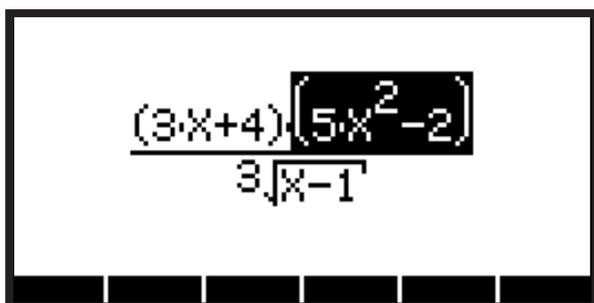
Convenient Catalogue of Commands and Functions

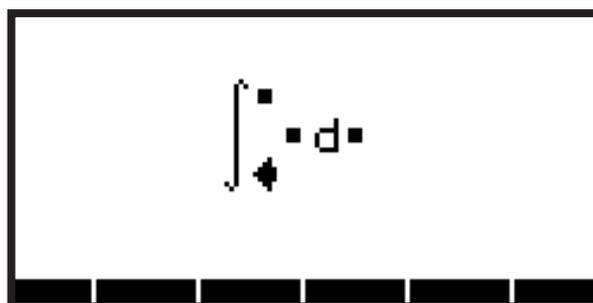
Although easy-to-use, the HP 49G is an advanced mathematical tool with over 1000 functions and commands, all grouped under various menus. The catalogue menu contains all of the HP 49G functions and commands in one convenient place.

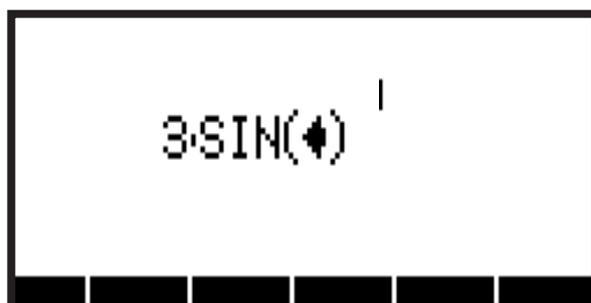


Fast, Flexible and Intelligent Editor

Edit expressions, text, graphs and programs quickly and easily just the way you want to. More than just a passive editor you can isolate and evaluate sub-expressions as well as cut, paste, and copy objects, just like on a computer. Unsure how to correctly enter an equation or expression? The intelligent editor automatically inserts missing parentheses and prompts your next input, both in real-time.


$$\frac{(3X+4)(5X^2-2)}{3\sqrt{X-1}}$$


$$\int \dots d\bullet$$

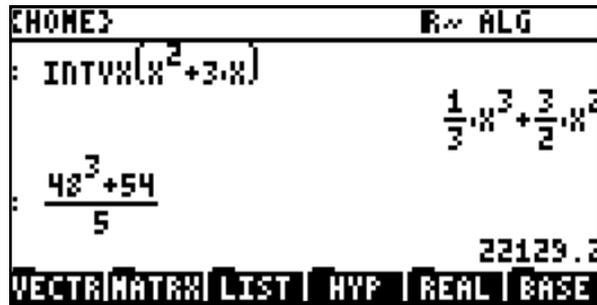

$$3 \text{ SIN}(\bullet)$$

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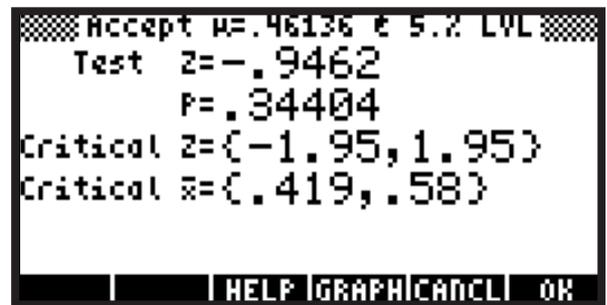
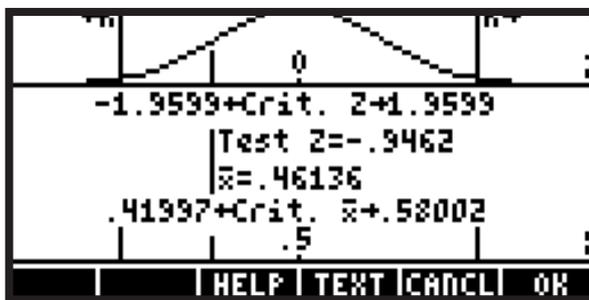
Learn from History!

More than just the answers, the HP 49G default-screen history displays and retains the how, so you can correct where you went wrong, or even combine different objects and answers to get a totally new solution! Even after power off and on, the history will still be there, just the way you left it.



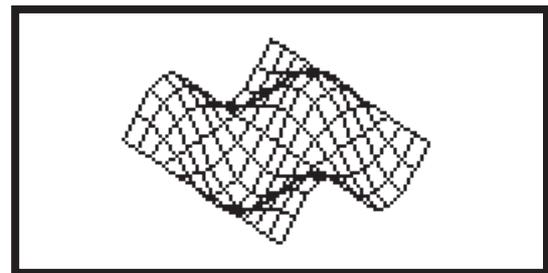
Make a Statistical Inference!

The HP 49G goes beyond analyzing sample data, you can make and measure inferences about the population with hypothesis tests and confidence intervals. Input, view and edit sample data in a table format, similar to a computer spreadsheet or table, then plot the results.



Expand your 2D & 3D Plotting Possibilities

There are fifteen plot types, with zoom and trace options that allow you to analyze the mathematical characteristics of a function. Visualization also helps to enhance your understanding of more difficult mathematical concepts. The two and three-dimensional plot types include function, parametric, polar, conic, differential equation, truth, gripmap, wireframe and statistical plots. Choose between two plotting input options depending on your preference.



X	F1	F2
0	-1	0
1	-.8	4E-09
2	-.6	EP668P
3	-.4	2025202
4	-.2	EB1418E
5	0	5524974
.198669330795		

Communication in Hand

Every HP 49G can be connected directly to a data-logger, overhead projector, a personal computer or another HP 48G Series or HP 49G graphing calculator. Swap programs with friends via the unit-to-unit link cable included. Use the PC/Mac Connectivity Kit to take advantage of third-party programs and games available on the internet.