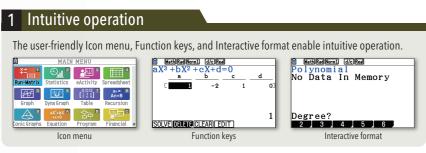
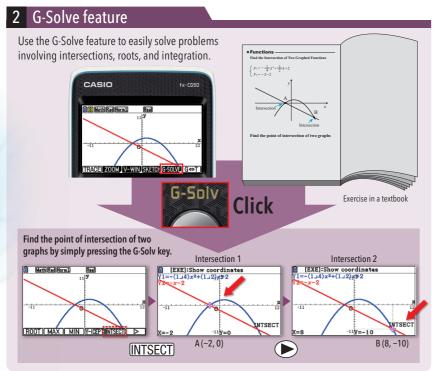
A CASIO graphing calculator with powerful advantages

Three key features make the fx-CG50 ideal for mathematics learning.

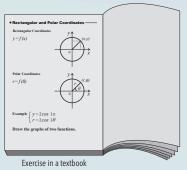






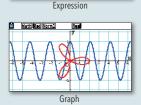
3 Explore feature

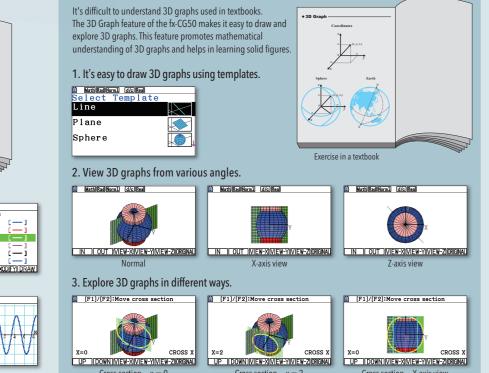
Freely explore mathematics by drawing graphs on rectangular coordinates and polar coordinates.



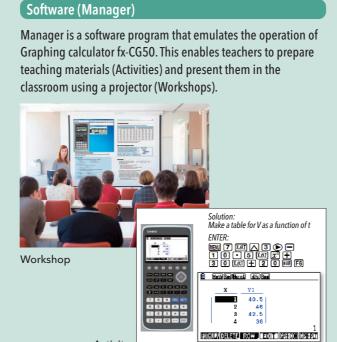
Since rectangular coordinates and polar coordinates can be display on the same screen, their interaction can be understood.







Learning about 3D graphs using the Explore feature



Subscription Methods There are two ways to subscribe: online or by card. fx-CG Manager PLUS Subscription for fx-CG Series •fx-CG50 Calculator Emulation for Windows for Mac *fx-CG Manager PLUS Subscription for fx-CG Manager Subscription for fx-CG50 Se Online Licensing Options Online CARD License expiration period: 1 year License expiration period: 1 year •FA-CG1SA (Single License) •FA-CG1-W1A (Single License •FA-CG1SB (10 Licenses) •FA-CG1-W1B (10 Licenses)

•FA-CG1-W1C (30 Licenses)

•FA-CG1-W1D (100 Licenses) License expiration period: 3 years •FA-CG1-W3A (Single License) •FA-CG1-W3B (10 Licenses) •FA-CG1-W3C (30 Licenses)

•FA-CG1-W3D (100 Licenses)

Specifications -

Basic Functions

- Angle unit, Angle unit conversion (Deg, Rad, Gra) Trigonometric functions, Inverse trigonometric functions • Hyperbolic functions, Inverse hyperbolic functions
- Exponent functions, Logarithmic functions Power functions (square root, cubic root, square, power, radical root) • Coordinate conversion (Pol, Rec)
- Combination/Permutation (nCr, nPr) Factorial, Inverse, Random numbers, Random sampling of an existing list, Fractions • Logical operations • Sexagesimal ↔ Decimal conversion • Matrix calculations • Vector calculations • Complex number calculations
- Base-*n* calculations/conversions List data calculations Rounding Display format
- Conversion (pre-installed software) Engineering symbol calculation
- Engineering notation

Graphing

- 3D Graph (pre-installed software) Rectangular coordinate graphing, Polar coordinate graphing • Integration graph • Parametric function graphing, Inequality graphing • Trace, Zoom (box zoom, zoom in, zoom out, auto zoom)
- Table and Graph Dual Graph (table and graph, graph and graph)
- Sketch (tangent line, normal line, inverse function) Solve (root, minimum, maximum, intersection, integration: integral calculation improvement (real-time integral calculation), new integral calculation function (mixed integrals)) • Dynamic graph
- Conic section graph Recursion graph Picture Plot (pre-installed software)

Calculus

• Derivatives, second derivatives, integrations • Sigma feature

eActivity

•FA-CG1SC (30 Licenses)

•FA-CG1SD (100 Licenses)

· eActivity creation and exploration

Statistics

• List-based one-variable and two-variable statistical analysis • Statistical regression calculations • Statistical plot (scatter plot, xyLine, normal probability plot, histogram, box plot) • Statistical regression graphs (linear, med-med, quadratic, cubic, quartic, logarithmic, exponential, power, sinusoidal, logistic regression) • Advanced statistical calculations: tests (Z-test, t-test, χ^2 -test, F-test, ANOVA), intervals (Z-interval, t-interval), distributions • Pie chart • Bar graph

Other Features

- E-CON4 Natural format equation input Calculation history Spreadsheet and statistical plot • Numeric equation solver, simultaneous equations (equation application improvement), polynomial equations • Financial calculations
- Programming Geometry (pre-installed software) Probability simulation
- Icon menu, full-screen/split-screen display Auto parenthesis addition
- Data communication User memory: 61,000 bytes, User storage memory: 16 M bytes

- Dimensions H × W × D (mm): 18.6 × 89 × 188.5 Approximate weight (g): 230 (including batteries) Power supply: Four AAA-size alkaline batteries or four nickel-metal hydride batteries • Approximate battery life (hours)*: 170 (AAA-size alkaline batteries), 100 (nickel-metal hydride batteries)
- Dot matrix display: 216 × 384 dots Display capacity (characters): 21 × 8 Internal operation digits: 15 Nested parentheses levels: 26
- Data communication: 3-pin cable, USB cable 3-pin serial port USB port
- *Repeat of following three-step cycle each hour. (1) Menu display for 5 minutes (2) Run-Matrix mode calculation for 5 minutes (3) Flashing cursor in Run-Matrix mode for 50 minutes.



Visit our website for more information about the fx-CG50. http://edu.casio.com

• Windows is a registered trademark of Microsoft Corporation in the United States and other countries. • Mac is a registered trademark of Apple Inc. in the United States and other countries. Designs and specifications are subject to change without notice.

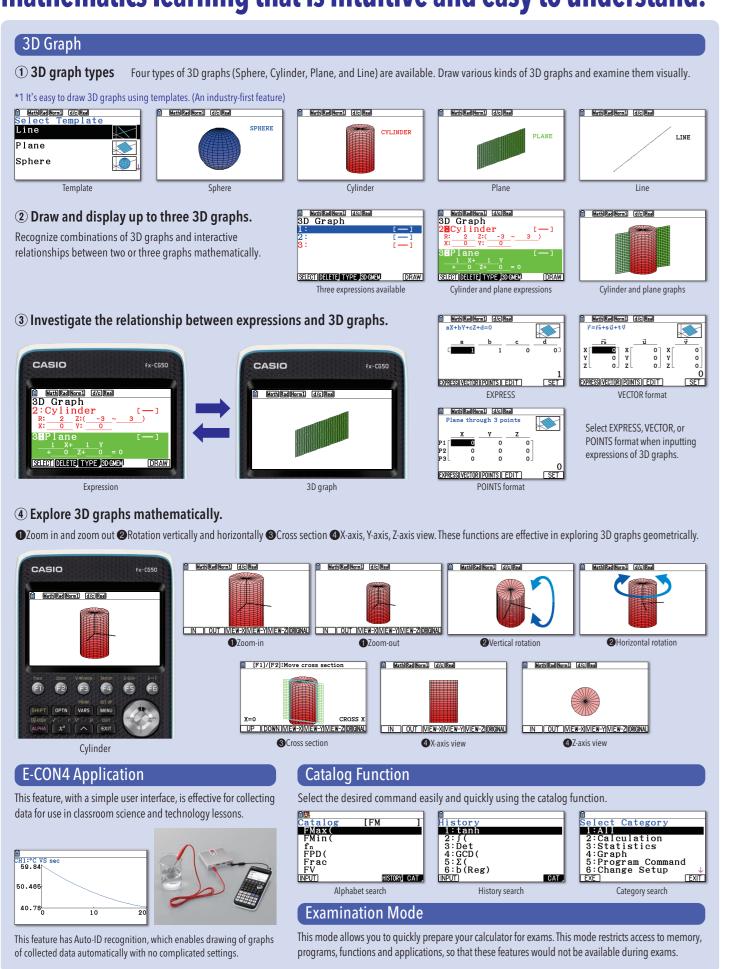




Reliable @ Durable

CASIO COMPUTER CO., LTD. Tokyo, Japan BS1703-010001A DI 🛞

Take advantage of easy-to-operate, high-definition 3D Graph in mathematics learning that is intuitive and easy to understand.*1



The innovative color display and 3D Graph dramatically increase math learning efficiency.



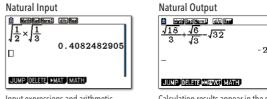




Includes Many Basic Calculator Functions

Natural Textbook Display!

CASIO's original "Natural Expression Input Display" and "Natural Expression Output Display" make it possible to display fractions, exponents, logarithms, powers, and square roots just as they are written in the textbook. The result is enhanced student comprehension and improved math class efficiency.

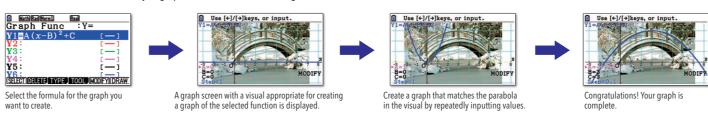


Input expressions and arithmetic operations as they appear in written form.

Calculation results appear in the same format as they are written.

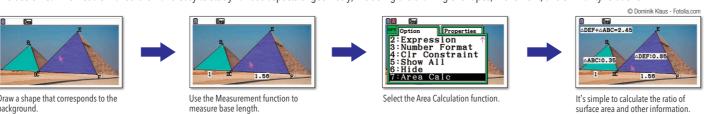
Graphing

Students can create a wide variety of graphs over real-life visual backgrounds.



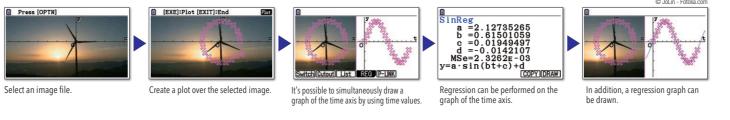
Geometry

The use of real-life visuals makes it fun and easy to study various aspects of geometry, including the drawing of shapes, movement, and similarity relations



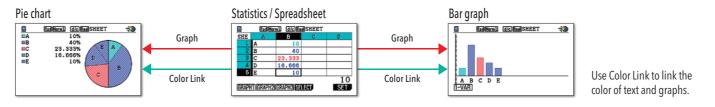
Picture Plot

Students can search for and plot curves found in nature and their surroundings. Analysis of the plotted data deepens understanding of the function.



Color Link

The fx-CG50 features the Color Link function, which automatically links colors specified on the spreadsheet screen with colors used in graphs to support learning of functions by enabling visual confirmation of changes in values or trends.



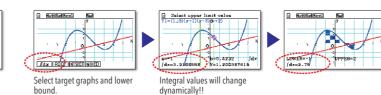
Vector Calculation

Perform operations on vectors and calculate the inner product and outer product.



Integral calculation improvement

Verify the integral value in real time while freely moving the interval using the cursor key.



eActivity

The fx-CG50 comes with the same eActivity capabilities first introduced on the ClassPad. This feature allows teachers and students to create their own problems or study materials and enables students to learn at their own pace and study more efficiently at school or at home. eActivity is a great motivator for learning and







Other Features

■ Probability

Normal distribution, Student's t-distribution, and other often-used statistical calculations are provided in function format for easier practical application.

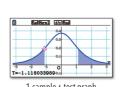


■ List-based Statistics

Store a list of values in memory for use when performing function and statistical calculations, when drawing graphs, or when generating tables of numeric values.

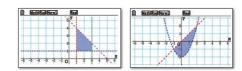
Advanced Statistics

Perform tests, confidence interval, probability distribution, and other calculations and graphing



■ Inequality Graphing

New support for graphing the inequality of an x = Constant graph and x = f(y) graph allows study of the area for which the x-range is defined.



■ Spreadsheet

A multi-function spreadsheet with built-in graphing capabilities is a valuable tool for table calculation lesson exercises.

■ Financial Calculations







