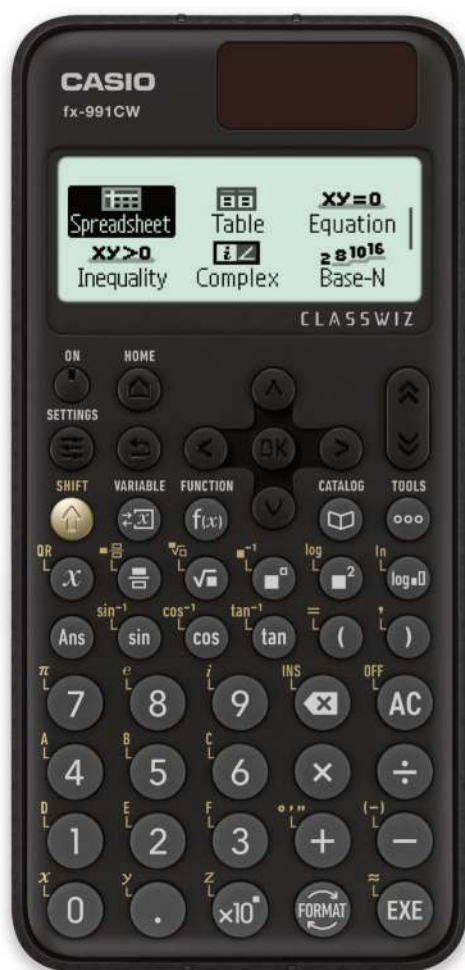


CLASSWIZ

The latest generation of the ClassWiz series.



fx-991CW

- Intuitive operating concept
- Text menu navigation
- 4-gradation display
- Math Box
- QR code function
- Simple key layout and labeling



fx-82CW



fx-85CW



fx-350CW

Icon Menu



Operation

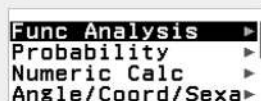


Table function



Math Box



Main Functions

Equations

Polynomial equations up to 4th degree and additionally systems of equations with 4 unknowns can be solved with exact values and without approximation. The solution of an equation with Newton's method is also implemented.

$$\begin{aligned} &ax^2+bx+c \\ &ax^3+bx^2+cx+d \\ &ax^4+bx^3+cx^2+dx+e \end{aligned}$$

$$\begin{aligned} &ax^2+bx+c=0 \\ &x_2= \end{aligned}$$

$$-\sqrt{6}$$

Vector calculation

Vectors up to the 3rd dimension can be calculated. The usual commands, such as scalar product, cross product, angle or unit vector are available.

$$\text{VctA} \times \text{VctB}$$

$$\text{VctAns} = \begin{bmatrix} 1 \\ 4 \\ 3 \end{bmatrix}$$

$$-1$$

Integrals & Differentials

Differentials and integrals can be easily entered via templates and calculated numerically. Differentials and integrals are even available in the value table.

$$\int_0^3 2x^2 dx$$

$$18$$

$$\frac{d}{dx} (3x^3) \Big|_{x=4}$$

$$144$$

QR-Code Function

With the QR code function, results and functions of the calculator can be visualised with a smartphone or tablet.

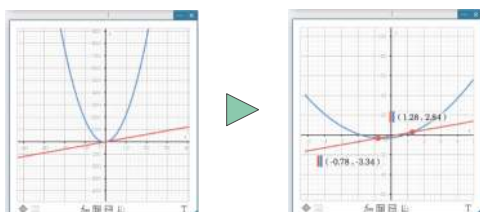
$$f(x) = 2x^2 + 3$$

$$g(x) = 3f(x)$$



Display and analysis on the smartphone

With the help of ClassPad.net, graphs, diagrams, operating aids and tables on the recorded data are displayed and optimally presented.



Matrices

Operations such as determinant, transpose and unit matrix can be performed up to dimension 4x4. Conversion to reduced row level form (RREF) is also available.

$$\text{MatA} = \begin{bmatrix} 4 & 1 & 3 \\ 2 & 3 & 6 \end{bmatrix}$$

$$2$$

$$\begin{aligned} &\text{Matrix Squared} \\ &\text{Matrix Cubed} \\ &\text{Inverse Matrix} \\ &\text{Determinant} \end{aligned}$$



Function	fx-82CW	fx-85CW	fx-350CW	fx-991CW
4 gradation display	✓	✓	✓	✓
Icon menu	✓	✓	✓	✓
Value table	f(x) & g(x)	f(x) & g(x)	f(x) & g(x)	f(x) & g(x)
9 variable memories	✓	✓	✓	✓
Prime factorisation	✓	✓	✓	✓
Scientific constants	-	-	-	47
Unit conversions	-	-	-	164
Integral calculation	-	-	-	✓
Equations	-	-	-	✓
Matrix/vector operations	-	-	-	✓
Distribution functions	-	-	-	✓
Math Box	✓	✓	✓	✓
Spreadsheet	-	-	-	✓
QR-Code function	✓	✓	✓	✓
Energy supply	Battery	Battery + Solar	Battery	Battery + Solar