

## Scientific Calculator Precision 54 v1.0.0.0 - Business::Math & Scientific Tools Software

A handy, fast, reliable, precise tool if you need to perform complex mathematical calculations

Scientific Calculator Precision 54 is programmed in C#. All calculations are done in proprietary data type. The calculator handles mathematical formulas of any length and complexity. Calculation history can be stored into text file or printed. There are ten variables or constants available for storing often used numbers. Precision of calculations is 54 digits. Trigonometric, hyperbolic and inverse functions. Special numbers NaN, Uncertainty, and Infinity. The calculator follows classical approach when uncertainty of  $f(x)$  calculation is estimated by formula  $\max(|\text{derivative}(f)|) * x * \text{uncertainty}(x)$ , where maximum of function derivative is considered on interval  $[x - \text{uncertainty}(x), x + \text{uncertainty}(x)]$ , and  $\text{uncertainty}(x) = |x| * 10^{-(\text{precision})}$ .

### About the Author

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