Floating Point Constants

[Constants]

Description

Similar to integer constants, floating point constants are used to make code more readable. Floating point constants are swapped at compile time for the value to which the expression evaluates.

Example Code

n = 0.005; // 0.005 is a floating point constant

Notes and Warnings

Floating point constants can also be expressed in a variety of scientific notation. 'E' and 'e' are both accepted as valid exponent indicators.

| FLOATING-POINT CONSTANT | EVALUATES TO: | ALSO EVALUATES TO: |
| --- | --- | --- |
| 10.0 | 10 |  |
| 2.34E5 | 2.34 \* 10^5 | 234000 |
| 67e-12 | 67.0 \* 10^-12 | 0.000000000067 |