PRO (//www.wolframalpha.com/pro/) APPS ABOUT (//www.wolframalpha.com/about.html) Sign in

x

(//www.wolframalpha.com

/pro?src=pro-banner-5)

what is pi

Web Apps (//www.wolframalpha.com/web-apps/) Examples (//www.wolframalpha.com

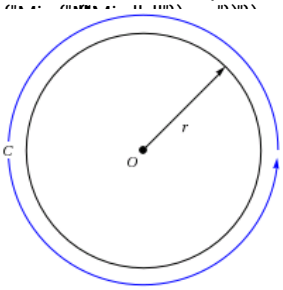
/ex Random

Assuming "what is pi" is a quantity | Use as a word or referring to a mathematical definition or a class of mathematical terms or a movie instead

Input interpretation:

Result:

Illustration:



Open code

Alternate names:

Archimedes' constant | Ludolph's constant

Basic definition:

The ratio of the circumference of a circle to its diameter. It is equal to 3.14159....

Detailed definition: More details

The constant pi, denoted π, is a real number defined as the ratio of a circle's circumference C to its diameter $d = 2\,r$,

$$\pi \equiv \frac{C}{d} = \frac{C}{2\,r}$$

π has decimal expansion given by

$\pi = 3.14159265358979323846264338327950288419\ldots$

More information »

Related topics:

New to Wolfram|Alpha?

Take the Tour »

(//www.wolframalpha.com /tour/what-is-wolframalpha.html)

(http://www.wolframalpha.co /pro-for-students /?adref=pro-sbs-latte-blue.png)

A whole month of step-by-step homework solutions for the price of a latte

Wolfram|Alpha Pro GO PRO NOW

Take Wolfram|Alpha anywhere...

(//products.wolframalph /mobile/)

(//www.wolframalpha.co /pro/)

(//products.wolframalph /api/)