

Re: Pi and the distribution of prime numbers

Source: <http://sci.tech--archive.net/Archive/sci.math/2005-02/3134.html>

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Date: 02/09/05

Date: Wed, 9 Feb 2005 20:30:26 +0100

I wondered about the exact same thing.

But, pi is common in mathematics, its in the sum of $1/x^2$, many complex numbers can be given in terms of pi, most notably $-1 = e^{i\pi}$, so it is not really interesting any more.

"José Carlos Santos" <jcsantos@fc.up.pt> wrote in message news:36v0inF56vofeU1@individual.net...

> *Hi all,*

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> *At the MathWorld page dedicated to pi, located at*

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> <http://mathworld.wolfram.com/Pi.html>

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> *it is claimed that pi "crops up in all sorts of unexpected places in mathematics [...]. For example, it occurs in [...] the distribution of primes". Does anyone know what's the connection? Or is it a confusion between the number pi and the prime counting function (usually denoted by pi)?*

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> *Best regards,*

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> *Jose Carlos Santos*