

# Pi and the distribution of prime numbers

**Source:** <http://sci.tech-archive.net/Archive/sci.math/2005-02/3091.html>

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**Date:** 02/09/05

Date: Wed, 09 Feb 2005 17:45:58 +0000

Hi all,

At the MathWorld page dedicated to pi, located at

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

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  $\pi$ )?

Best regards,

Jose Carlos Santos