

# Re: Randomness of digits within pi

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*Source:* <http://sci.tech-archive.net/Archive/sci.math/2007-11/msg01982.html>

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- *From:* David Bernier <david250@xxxxxxxxxxxx>
  - *Date:* Fri, 09 Nov 2007 13:24:27 -0500
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jonas.thornvall@xxxxxxxxxxxx wrote:

On 9 Nov, 17:58, gr...@xxxxxxxxxxxxxxxxxxxx (Daniel Grubb) wrote:

[...]

Here's a program that can calculate pi to 33 million places fairly quickly on most modern machines.

[http://www.geocities.com/hjsmithh/Pi/Super\\_Pi.html](http://www.geocities.com/hjsmithh/Pi/Super_Pi.html)

Ok i admit i am being lazy anyone who can distribute it as file on bittorent?

Someone must have run the program and burned it down?

You might want to send an e-mail to Xavier Gourdon, the author of the program Pifast ...

I used Xavier Gourdon's PiFast43.exe program to compute pi to 1 billion decimals. It took about 12 to 25 hours on a PC with an Athlon XP 2200 32-bit processor and 1 GB of RAM.

The resulting file, at 1.28 GB, can be opened with Notepad to see the first 50 or 100 lines or so, but it is so large that it takes minutes to go down 2 pages.

I believe it would be easy to access the file using C or C++ with fopen(), fscanf(), fclose().

I seem to remember that the file has line numbers, line feeds/CR (the Windows CR+LF line breaks) and some information about the start and finish of the computation at the beginning of the file.

Cf.:

<<http://numbers.computation.free.fr/Constants/PiProgram/pifast.html>>

Re: Randomness of digits within pi

David Bernier

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