
Subject: Re: Large Numbers

Posted by [pgrigis](#) on Sat, 07 Feb 2009 01:14:38 GMT

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David Fanning wrote:

> David Fanning writes:

>

>> Uh, probably, if I can find those dusty books

>> down in the basement. :-(

>

> I found my slide rule. Maybe that will help.

For instance, you can easily find that

$1000! = 4.023 \times 10^{2567}$

How?

the trick is that

$\Gamma(x+1) = \text{factorial}(x)$

therefore, $\log(\text{factorial}(1000)) = \ln \Gamma(1001) = 2567.6046$

$10^{0.6046} = 4.023$

$1000! = 4.023 \times 10^{2567}$

Ciao,

Paolo

>

> Cheers,

>

> David

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
