

Re: a big limit of mathematica?

Source: <http://sci.tech-archive.net/Archive/sci.math.symbolic/2005-09/msg00139.html>

- *From:* Dave Seaman <dseaman@xxxxxxxxxxxx>
 - *Date:* Wed, 21 Sep 2005 16:18:21 +0000 (UTC)
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On Wed, 21 Sep 2005 15:35:52 GMT, Richard Fateman wrote:
> Dave Seaman wrote:

>> On Tue, 20 Sep 2005 09:31:47 -0700, Richard J. Fateman wrote:

>>>(RJF) Mathematica's limitations are very likely related
>>>to the amount of virtual memory it is allocated by
>>>the operating system, and perhaps by the maximum
>>>amount of memory Mathematica declares it is going to
>>>use. Such limits are much smaller than the 64 bit
>>>limit on address space. In particular,
>>>doing

>> (DS) That's not the way virtual memory works, at least on any decent operating
>> system.

> I thought we were talking about Windows?

I certainly wasn't talking about Windows, and the OP gave the indication that he was talking about more than one OS.

> The amount of virtual memory that is allocated to an application
>> by the operating system is determined dynamically and is limited only by
>> the total amount of swap space available on the computer.

> There is a nice discussion here
> <http://www.rsinc.com/services/techtip.asp?ttid=3346>
> which suggests that there are a number of other factors in Windows.

I don't do Windows.

>> (DS) That means the G5 successfully
>> computed an array that exceeds the size of its physical memory.

> That's certainly the way it is supposed to work. The G5 is not
> running Windows.

I wouldn't be using a G5 if it did.

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Dave Seaman

Judge Yohn's mistakes revealed in Mumia Abu-Jamal ruling.

<http://www.commoncouragepress.com/index.cfm?action=book&bookid=228>

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• **References:**

- ◆ **[a big limit of mathematica?](#)**
◇ From: LumisROB
- ◆ **[Re: a big limit of mathematica?](#)**
◇ From: LumisROB
- ◆ **[Re: a big limit of mathematica?](#)**
◇ From: Richard J. Fateman
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