Subject: Re: random integers between 0 and 1,000,000
Posted by James Kuyper on Mon, 24 Oct 2005 19:06:16 GMT
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Norbert Hahn wrote:
> "James Kuyper" <kuyper@wizard.net> wrote:
>
>> takes a 32 bit unsigned long with a value somewhere in the range from 0
>> to 1000000, and converts it into a 16 bit signed int, with a range from
>> -32768 to 32767.
>
> I took a closer look on what might have gone on. I ran the following
> program:
>
> z = randomu(seed,30)
> a = long (z*1000000) & print, a
> b = ulong (z*1000000) & print, b
> i = fix(a)
> print, a
>
> I found that a(1) was negative (-20848). So I printed

I was unable to reproduce that result. I tested with several million random numbers, and never once got a negative value from long(1000000*randomu(seed,N)). Could you identify the value of z[1] that gave you that value for a[1]?