Subject: random integers between 0 and 1,000,000 Posted by mxd1007 on Sun, 23 Oct 2005 02:29:31 GMT

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Hello,

I'm trying to generate 30 random integer numbers between 0 and 1,000,000 but I keep getting negative values. This is my IDL statements:

FOR i = 0, 29 DO BEGIN

weights[i] = ULONG(1000000 \* RANDOMU( seed, 1 ))

**ENDFOR** 

the result when I print out the array weights:

```
17925 28066 15706 -4558 7450 9892 5340 -1674 -29667 -15997 -27046 -27854 -24859 29529 -31310 -7807 21139 8014 -14189 -24471 -16476 -6624 -23456 3042 30319 -20737 10945 -19432 3206 -11725
```

I would think if you cast ULONG onto the calculation, you would get postitive values. thanks in advance.

-Mike

Subject: Re: random integers between 0 and 1,000,000 Posted by Norbert Hahn on Tue, 25 Oct 2005 09:17:47 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

<sup>&</sup>quot;James Kuyper" <kuyper@wizard.net> wrote:

The hex numbers given in my example were correct with leading zeroes omitted.

Norbert