

Re: Toaster to Generate Random Numbers

Source: <http://www.derkeiler.com/Newsgroups/comp.security.misc/2003-01/0215.html>

From: Guy Macon (*no email*)

Date: 01/12/03

From: Guy Macon <<http://www.guymacon.com/resume.html>>

Date: Sun, 12 Jan 2003 08:41:20 -0800

Bill Unruh wrote:

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>Guy Macon <<http://www.guymacon.com/resume.html>> writes:

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>]A further problem I have is that intensity of the light coming from
>]quasars has 1/f noise fluctuations. That's a fairly long period for
>]the experiment, but then again, Quasars are very bright. Does their
>]brightness really increase without limit as you wait longer and
>]longer?

>

>I guess so.

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>Note that it does not "increase without limit" it fluctuates, and
>the fluctuation is sometimes very large.

Larger and larger as you wait longer, and longer, infinitely large
if you wait infinitely long.

Either that or 1/f does not hold over all frequencies. On the
high frequency end there is a point where 1/f gets so small
that only white noise is measured. Maybe there is a limit at
the low frequency end as well, but nobody has found it. If it's
below the limit set by the age of the universe, we might have to
wait a very long time before we can measure it.

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