

sci.astro.amateur: Re: Actual photons?

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William C. Keel wrote:

- > *In a way – the "bias" simply arises from the fact that anywhere inside*
- > *the Sun, there are slightly more random directions that go out than*
- > *go in. In three dimensions, a random walk has an endpoint that is,*
- > *in the mean, moving away from the starting point as the cube root*
- > *of the number of legs. (Not exactly applicable to the Sun,*
- > *since these random walks don't have the same length and the*
- > *mean free path changes with position, but that gets the idea across).*

I think your interpretation makes sense, but even in three dimensions, I think the mean distance still goes as the square root of the number of steps.

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The Astronomy Corner at <http://astro.isi.edu/>

Unofficial C5+ Home Page at <http://astro.isi.edu/c5plus/>

The PleiadAtlas Home Page at <http://astro.isi.edu/pleiadatlas/>

My Own Personal FAQ (SAA) at <http://astro.isi.edu/reference/faq.txt>