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**From:** Michael Hopkins [REDACTED]  
**Sent:** Saturday, September 19, 2015 4:24 PM  
**To:** jeffrey E.  
**Subject:** Re:

He Jeffrey

I think Jacob Lurie is more of an expert in category theory than I am, but I appreciate Yau's endorsement. I'm not sure I understand the questions in your first email. I'll have to ponder them. As for the others I'm not sure I know enough to think beyond the boiler plate answers. General Relativity tells us that gravity is an aspect of mass, so I wouldn't know how to think of it as a pseudo force. And "truly random" would be probably be taken to mean that the occurrence of an event does not increase the probability of it happening again. though I think Martin tells me that evolution, once it has solved a problem, is more likely to solve it again, so there may be a model of probability spaces that do have this property.

Mike

On Sat, Sep 19, 2015 at 11:43 AM, jeffrey E. <jeevacation@gmail.com> wrote:  
> query , is gravity merely a pseudo force. like centripetal ,  
> created by the central limit theorem. so that it is a consequence of the probablility  
> distribution of matter in the universe . nothing more. . 2. in a truly  
> random probability space. if an event occurs for the first time,  
> does it increase the probabliity that it will happen again.  
>  
> On Sat, Sep 19, 2015 at 8:23 AM, jeffrey E. <jeevacation@gmail.com> wrote:  
>>  
>> yau says you are the schools expert in category theory. true? . 2 . is  
>> there a topological equivalent to the power laws. ? 3 is there a geometric  
>> derivation that is coherent ? 4, re language, as martin may have told you  
>> i have been spending a great deal of time with Chomsky. i have been  
>> trying to formalize the concept of signals ( images etc ) that are  
>> coherent. . visual energy is first focused and then our vision  
>> system eventually recognizes -separates , real world images from noise. a form  
>> of a map? then arguably makes judgements based on similar ( distances from  
>> already existing maps etc ). images. , meaning etc. . skype or call  
>> might be helpful when and if you have time  
>>  
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