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**From:** jeffrey E. <jeevacation@gmail.com>  
**Sent:** Saturday, October 28, 2017 1:05 PM  
**To:** Joichi Ito  
**Subject:** Re: Resisting Reduction

biology is a good example ( like usual ) . =A0 you no little about your digestion system, circulatory system, immune system. . cant control any one of them closely, =C2 and sometimes say ? holy shit why did i do that . =C2 example of unknown/ computer can= model. , but it includes a random generator so it cant predict= . poincare three body , also kn=wing is a scalar. . you can know the position of your desk , b=t when you look either closely , atoms or from afar. =A0 relation to the sun. all knowing falls away  
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On Sat, Oct=28, 2017 at 8:54 AM, Joichi Ito [REDACTED] wrote:<=r>

True... but the main beef that I ha=e with Danny is that he thinks that the world is Turning "knowable=E2 - that a computer can simulate everything. I realize that simulat=on doesn't mean you can predict it, but he believes that there is = finite set of things going on and that there is a limit to the complexity= I guess there is more nuance to "knowability" and what th=t really means with respect to control. I should probably think about it m=re and figure out a structure to explain it. Do you know any field that do=s this well?

- Joi

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(Tip: Use NRR to mean No Reply Required - thank you!)

> On Oct 28, 2017, at 5:46 AM, jeffrey E. <jeevacation@gmail.com <mailto:jeevacat=on@gmail.com> > wrote:  
>

> i think my main difference would be the word "knowable.&quo=; I beleive the guys that program neural nets.in <http://ne=s.in> fact DO=T know how or even why they work and that is at the core of their an=iety. If it is out of their control. danger lurks=around the corner. we have seem many people get behind the whe=l of a very fast car. . not understanding at all the workings of the gears=or the engine. . they crash as they don t take the time =o learn to control the machine. the extension of that is the =ingularity

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> On Fri, Oct 27, 2017 at 9:19 PM, Joichi Ito [REDACTED] wrote:

> Just published this. Please let me know what you think when you get a =hance.

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> <https://pubpub.ito.com/pub/resisting-reduct=on/> <<https://pubpub.ito.com/pub/resisting-reduction/>>

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