
From: jeffrey E. <jeevacation@gmail.com>
Sent: Friday, October 21, 2016 9:34 PM
To: [REDACTED]
Subject: Re:

tomorw? lets assume that like a weak signal you can go back but only for 1 second before the signal fades. =A0 ? an error correction.

On Fri, Oct 21, 2016 at 5:31 PM, Seth Lloyd=<lloyd@mit.edu <mailto:slloyd@mit.edu> > wrote:

Dear Jeffrey,

My apologies for not respondi=ng sooner: I was off email for the last few days.

Of course thoughts are constructed from neural signals that move muc= slower than light but let's just take the suggestion that t=ey move faster than light seriously. A couple of things would= happen. First of all, since going faster than light translates i=to the ability to send signals backwards in time, this has impli=ations for game theory. If you know your opponents moves in a=vance -- and they know yours -- this restricts the set of strate=ies to non-cheating, non-deceptive strategies. I believe that in such games one should be able to show that Nash equilibria a=e all optimal: unlike in prisoner's dilemma, there is no inc=ntive for cheating. This is sort of the opposite of what you=are suggesting.

There is a sense in which thought=processes are taking place in an extended setting simultaneously you and Martin suggest, =here is probably some pretty strong evolutionary advantage for consciousne=s or sense of self reference. Indeed, just to ask the sor= of question, If he does this, I'll do that, but if he does =his other thing, I'll do something else, requires a sense of self refe=ence: one is modeling what one oneself will do in the future. =C2= This does indeed allow for extended cycles of deception an= intent, which I think we agree are very important at least for human beha=ior.

I'd enjoy talking further so give a call=any time you like.

Yours,
Seth

On Tue, Oct 18, 2016 at 7:12 AM, jeffrey E. <jeevacation@gmail.com <mailto:jeevacation@gmail.com> > wrote:

if you have a moment i have a quick question. =A0 - assume for the moment that living things unlike phy=ical things. have a component that travels faster than l=ght. . thoughts? or call it x. =t would explain the inability of detection by conventional means. =A0 martin and i are working on game theory of self=awareness. the evolutionary benefit of what some call consious=ess. the conjecture is that is no more than a dyna=ic error correction system. slow. easily overwhelmed and able =o do simple tasks. if the mathematics of biology a=d physics were symmetrical. physics woudl live in the sl=wer than light , and biology in the faster. . =A0 deception and intent in biooogy , none of it in physics. . =br clear="all">

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◆=A0 please note

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