From: Jeffrey Epstein <jeevacation@gmail.com>
To: Neil Gershenfeld <[redacted]>
Subject: Re: Friday
Date: Fri, 12 Jul 2013 13:31:28 +0000

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understood, however both are blueprint.instructions . a non commutative mapping, , the environment changes as it interacts . and is complicated by the fact that the" enviromnent" is rarely a closed system.

On Fri, Jul 12, 2013 at 8:51 AM, Neil Gershenfeld <[redacted]> wrote:

> Jeff,
>
> The part of evolution that interests me is how it's implemented (e.g. Hox genes). Other than that, I've been more interested in the implementation of adaptive search; there's a lot of exciting progress there.
>
> Neil

On Fri, Jul 12, 2013 at 8:40 AM, Jeffrey Epstein <jeevacation@gmail.com> wrote:

> have you looked at evolutionary graph theory? , my limited understanding of shannons theorums did not assume a give and take with the environment. errors went down exponentially, however the environment stayed constant.thats assuming the " environment" was defined In your idea of bits and atoms, and things that build things that build things, I would suggest that the unspoken punch line is that some of these things should/could be useful (survivable). Competing for resources etc ., Evolution builds everything it can , and the according to the local boundary contrainsts whittles the things (read, groups individuals organisms) down that temporariliy survive, sometimes with the help of cooperation, competition, alliances. Ara 's chain made dog, fits the evolutionary graph theory well. However nature would factor in gravity, temp, rate of decay, redundancy, limited resources You ' ve argued the breakdown of software-hardware, and technology top down , bottom up, I believe the ACTIVE boundary between thing and its environment , mathematics of" membrane computing" , sets up the genetic (Robert Trivers) chemical , battle , using shannon like error correction augmented in biology by" deceptive symbols."
> see you friday
>
> On Fri, Jul 12, 2013 at 8:14 AM, Neil Gershenfeld <[redacted]> wrote:
>
> > Fri 7/19? That's a good day, between 12-6 is flexible.
> >
> > Neil
> >
> > On Thu, Jul 11, 2013 at 8:15 AM, Joichi Ito <[redacted]> wrote:
> >
> > > Sorry, I should have said Friday next week.
> > >
> > > - Joi
> > >
> > > On Jul 11, 2013, at 07:53 , Joichi Ito <[redacted]> wrote:
> > >
> > > > Hey Neil. Jeffrey's thinking of coming to Boston Friday. Any chance you have time?

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