
From: Joscha Bach <[REDACTED]>
Sent: Tuesday, May 8, 2018 3:42 PM
To: Jeffrey Epstein
Subject: Re:
Attachments: signature.asc

Yes! =hen is good?

On May 8, 2018, at 7:46 AM, jeffrey E. <jeevacation@gmail.com> wrote:

skype?

On Tue, May 8, 2018 at =:52 AM Joscha Bach <[REDACTED]> <mailto:[REDACTED]> >>
wrote:

I =m still trying to understand your question.

- What do you mean by genetic conflict =n a single individual?
- What do you mean by =achine state?

Perhaps you refer to a cybernetic regulation paradigm? =alentino Braitenberg suggested to understand AI from a regulation =erspective: feedback loops to approach a target state (homeostatic =quilibrium). The behavior regulation can be described with payoffs =cross many sub-behaviors (which Minsky called agents and agencies). =henever you get a situation where the local cost functions lead to a =ash equilibrium that is incompatible with the global goals of the =organism, you introduce a higher level regulation that imposes offsets =n the payoff matrices of the lower level agents. This leads to the =ormation of an internal governance hierarchy.

I =hink that this was the core idea of Rodney Brooks' subsumption =rchitecture. (Eventually, Brooks' work did not pan out, he =tarted building Roombas and lawn movers and became an AI =essimist.)

On May 7, 2018, at 9:17 PM, jeffrey E. <jeevacation@gmail.com> wrote:

my question relate to the =etabphor of genetic conflict in a single indiv , is there =n equivalent . machine internal competition

On =on, May 7, 2018 at 8:06 PM Joscha Bach <[REDACTED]> wrote:

I =hink that the whole game is internal. All our pleasure and pain are =caused by satisfying or frustrating our needs, which are (roughly =peaking) implemented in our reptilian brain. Our neocortex is modeling =hese needs as purposes, so we can regulate our behavior for satisfying =ur needs.

For example, the physical pain, and hunger and thirst exist on the level of needs, and survival is a purpose, a kind of modeling abstraction, as are food and drink.

Many of our purposes are outside of the organism, such as relationship purposes, and social purposes. Even our aesthetic purposes (like Jeffrey enjoying an intellectual standoff between Bannon and Summers) are not really related to the organism.

While the needs are somewhat hardcoded, our reaction to them is not (we can modulate pain and pleasure experiences, we can route our regulation around satisfying our needs, and we can repurpose our needs for competence, dominance, affiliation, and aesthetics for almost arbitrary goals. By changing the regulation goals (which is always internal to our mind) we change the payoff matrix.

On May 1, 2018, at 8:43 AM, jeefevacation@gmail.com wrote:

I posit that there is an internal game with its own payoff matrix = separate from the external . . . is there a machine internal state equivalent.

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