
From: Joscha Bach [REDACTED]
Sent: Wednesday, December 31, 2014 12:11 PM
To: Jeffrey Epstein
Subject: Re: Computation and Consciousness

At what level do you look for feedback?

As far as I know: Within the nervous system, most of the processing seems to be top-down (and indeed, I emphasize mostly bottom up during the lecture). Between the computational machine of the mind and the computational machine of the universe, there is no feedback, but purely for formal reasons. That is because all the feedback is taken care of on the physical level, i.e. it is not the mind that "writes" into the universe, but the brain. (Similar to personal computers: strictly speaking, software does not change states of the physical machinery, but the physical machinery itself changes its states; software exists on a different level of description that is supervenient on, but causally insulated from physics.)

Cheers!

Joscha

> Am 31.12.2014 um 13:02 schrieb jeffrey E. <jeevacation@gmail.com>:

>

> well done. I think you might want to consider more of a feedback system all along the way, it appeared to me as too much as a one way processor.

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> On Wed, Dec 31, 2014 at 7:38 AM, Joscha Bach [REDACTED]

> Dear Jeffrey,

>

> at Hamburg's 31c3 conference, I had the opportunity to demonstrate how a computational universe can give rise to consciousness. If you like, please have a look; after all, you are the one making it possible.

>

> http://media.ccc.de/browse/congress/2014/31c3_-_6573_-_en_-_saal_2_-_2

> 0141=281130_-_from_computation_to_consciousness_-_joscha.html#video&t=

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> Very best wishes for the start into the new year!

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> — Joscha

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