Re: How do the brain neurons compute?

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- *From*: srp@xxxxxxxxxxxx
- *Date*: Sat, 03 Nov 2007 11:48:29 −0700

On 1 nov, 18:57, Tenifer <tensorsur...@xxxxxxxxx> wrote:

> What kind of algorithm do our brain neurons use? How do they compute
> to make us aware and produce our mind?
>
> Neurologists chose their profession because they are poor in math.
>
> Therefore only physicists excelling in mathematical algorithm can
> figure out how the brain compute.
>
> Anyone got an theory or mathematical idea how the brain neurons
> compute (or what kind of algorithm it use)?

You should look up the work of Hebb in the 1940's. He completely solved how neural networks correlate data. No algorithm required except for simulating neural nets on linear computers.

The seat of awareness has long been established as being the néocortex (a 6−layer neural network). You would have to dig into neurophysiology archive to learn about this. Starting with Pavlov, many others explored the various aspects. Look up Eccles for references to most of them. Chauchard in the 1940's 1950's finished the job.

You could get hold of "On Intellignece" by Jeff Hawkins. He rediscovered much of this and is good at explaining.

A pity that most in the pertaining disciplines don't even know that all of this has been understood long ago.

No integrated refs in lectures for the past half century ensured that these discoveries remained sleeping in dusty archives.

André Michaud

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