

**FEBRUARY 25 2022 3:21 PM ZULFIKAR MOINUDDIN AHMED  
CHALLENGES LEDA COSMIDES-JOHN TOOBY PICTURE OF  
SCIENCE**

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I will briefly talk about the Leda Cosmides-John Tooby sketch of unified account of Science in the first chapter of *The Adapted Mind*. I won't quote their account here right now and get to my challenges. I will remind the reader that they are giving an account of a larger *consensus view* in their skilled language and so I am not taking aim at their own work.

Let me tell you my picture of the world first. I am very confident that my four-sphere theory is truth about Nature, that there is indeed a vast purely electromagnetic fourth spatial dimension in Nature, and the single law governing all of existence above  $\delta = 10^{-15}$  cm is Ahmed-d'Alembert Law or S4 Electromagnetic Law. That is the 'unified physics' that is true about Nature, and not the theories of 1900-1930 paradigm. I won't give details.

There are several implications here, starting with *chemistry* not being actually as it stands, a three-dimensional theory. And without accounting for fourth spatial dimension, neither chemistry nor biology are right as they are.

White *elan vital* is not something that I advocate, I *strongly disbelieve* in reduction of life to three dimensional chemistry is true, dispute that synthesis of urea and knowledge of some biochemistry is *compelling* that life has reduced to intricate chemistry of biomolecules. This is not even *remotely true* that manipulation of genetic material by chemical means will actually be all there is to life. In fact *Life is four-dimensional and electromagnetic* and there are many aspects of *psychology* that are not reducible to biochemistry.

To folks like Leda Cosmides and John Tooby, these might seem difficult to accept, but these are truth of Nature. There will *never be a match to Nature in science* that pretends that life is reducible to three-dimensional chemistry, or that Psychology is reducible to biology as understood in mechanical terms. There is a much more interesting story about Nature as it is, and that story has not yet even been begun to be explored.

My four-sphere theory is exact physics of Nature, and the story begins there. Both Life and Psychology are strongly affected by implications of four-sphere theory. It is not true that mind lives in the head alone. It's not exactly a Cartesian dualism, but whatever is the right answer it is not the Mickey Mouse story of biochemistry reduction.