

Dr. Matti Pitkanen, Department of Physical Sciences, University of Helsinki, Finland, has published a number of books, most of which seem to also be downloadable for free on the internet.

One of the more often referenced works on the internet is entitled
TGD UNIVERSE AS A CONSCIOUS HOLOGRAM

By Dr. Matti Pitkanen

Department of Physical Sciences, University of Helsinki, Finland

Book publication: 2006, Luniver Press

<http://vixra.org/pdf/0908.0024v1.pdf>

A synopsis:

“Topological GeometroDynamics is a modification of general relativity inspired by the conceptual problems related to the definitions of inertial and gravitational energy in general relativity. Topological geometrodynamics can be also seen as a generalization of super string models...”

<http://home.netcom.com/~mthorn/tgd.htm>

DIY Quantum Gravity:

<http://freelance-quantum-gravity.blogspot.com/2007/10/topological-geometroheadcache.html>

The following was posted on physics forums:

Forum member:

“I’ve been reading the Journal of remote mental control and non-locality <Crackpot Link Removed>, and Topological geometrodynamics seems to be a clue in the working physical theory about biofield.

The last update of The Journal of Non-locality and Remote Mental Interactions was 2006, at the website <http://www.emergentmind.org/journal.htm>

”I want to know if someone has heard about Pitkanen and if his theories are serious or not.

Thanks!! “

There was one response, from “mentor”:

“*I’ve been reading the Journal of remote mental control and non-locality...*”

Realize that this is complete crackpottery and not suitable for discussion on PF.”

One might say the same thing about string theory. The “mentor’s” response is a subjective emotional reaction expressing strong authoritarian disapproval but no facts.

Still, the strongest advocate of TGD in the professional physics community appears to be Dr. Matti Pitkanen.

Wikipedia notes that GeometroDynamics was a concept shared by Einstein and John Wheeler, and that more recently Christopher Isham and Jeremy Butterfield and their students have developed a Quantum GeometroDynamics.

<http://en.wikipedia.org/wiki/GeometroDynamics>.

The book *New Physics and the Mind* by Robert Paster (BookSurge 2006) takes Pitkanen's TGD as the best of the alternative physics theories on reality and consciousness.

See PSN notes on this book here: [new physics and the mind paster.doc](#)

Pitkanen claims his theory is ultra- "antireductionistic", or "emergent."

A reductionist perspective looks for the system to be built from the bottom up, from pieces, while an emergent perspective looks for system to unfold from the top down.

Yet TGD examples given in Paster's book show pieces, such as for example "nerve pulses based on the master/slave hierarchy of weakly coupled superconductors controlling each other by a Josephson junction", without showing how those emerge from "many sheeted space-time."

Pitkanen's use of p-adic math to develop his theory, and the concept of many sheeted spacetime are intriguing, but TGD theory goes way beyond any mathematical model. The references to biophotons, the liquid crystalline form of the human body, microtubules, the holographic nature of the mind and the universe etc, are well known concepts, independent of TGD, and had to be interpreted into TGD.

Pitkanen has been supportive of the new field of quantum biology. He has proposed that many principles of quantum physics can be applied to biological systems. He suggests that information transfer in biology takes place via superconductive pathways, and that electrons and photons are the carriers of this information. Superconduction of biomolecules was confirmed by Herbert Frohlich, Fritz Popp, and Cyril Smith in the 1980s. Popp also demonstrated that EM fields emanating from the body (and their particle counterpart, biophotons) occur at the quantum level, and are coherent.

Pitkanen is featured in several websites:

The science of life website: <http://www.scienceoflife.nl/>

"Here you can participate in the creation of a new formulation of science.

This formulation is needed because of limitations in classical scientific languaging.

For example: life, love, consciousness and health cannot be described in terms of that language."

O Von van Nieuwenhuijze, Cyril smith, Jan van der Greef,
William Tiller, Vanessa Hill, Vadim Kvitash, Zachary Jones, Susie Vrobel, Hellmut
Loeckenhoff, Nikola Tesla, Lawrence Edward, Michel Bounias, Bruce Lipton, Phil
Callahan,

And Matti Pitkanen are listed as participants.

Mae-Wan Ho and Lynn Margulis are listed not as participants, but as researchers

Emergent mind website: <http://www.emergentmind.org>

NOTE: Journal of remote mental control and non-locality:

<http://www.emergentmind.org/journal.htm>

An interesting on-line journal, whose maverick contributors include Matti Pitkanen, Alex
Kaivarainen, the Russians Peter P. Gariaev, George G. Tertishny, Katherine A. Leonova;
Americans Richard Alan Miller, Iona Miller and Burt Webb, Dean Radin, Dwane Elgin