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The Consciousness-Holomatrix: Discovering duality symmetry between the geometric brain and topological consciousness

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Abstract

Thanks to Edward Witten and the second superstring revolution initiated by him, theoretical physicist realised that the five different string theories, together with quantum gravity, could be waved together in a more general and comprehensive theory called M(other)-theory. M-theory essentially would be the Theory of Everything, the Holy Grail of physics. Despite of the theoretical successes leading to the discovery of duality linking the fundamental stringy approaches and quantum gravity, there is still one major flaw in these approaches and that is the missing description of intelligence and consciousness, which is as much fundamental as matter and the laws describing its behaviour. We could fairly say, that without explicitly incorporating the phenomenon of logical consciousness into our covariant description of nature's functioning our physics is without meaning or "mindless".

Due to some happy turn of events, at the same time when Witten and his colleagues discovered M-theory, an other physicist, August Stern, through his genuine matrix logic, proved the essential topological nature of logical thinking, which is dually connected to the physical brain which follows in its function geometrical or gauge laws. With this discovery Stern shed more light on the fine structures of M(atrrix)-theory, proving, we could say, that the road which leads to the Theory of Everything goes through the shadowy territories of the physics of the mind or logical consciousness which follows topological laws. Since both of these approaches, stringy and matrix logic, uses the same mathematical tool, namely topological quantization an matrix operator algebra, in describing the behaviour of matter and the logical mind, we are in a good position too make the "final" step towards unifying these seemingly different ingredients of the Universe. In this regard, at the end of my presentation I will try to outline the framework of a new mathematical approach, which could help to make this "final" step.