

Spinorial Space-Time and the origin of Quantum Mechanics

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We consider the possibility that the spinorial space-time (SST) geometry naturally leads to the generation of Quantum Mechanics, and discuss the implications of such a scenario.

A specific new mechanism is proposed to generate Quantum Mechanics from vacuum dynamics with a SST geometry.

Rather than a separate fundamental principle of Physics, Quantum Mechanics can then be the expression of the properties of extended spin-1/2 particle structure functions in the effective vacuum with such a space-time.