Physics > General Physics

Pilot wave model without configuration or Fock spaces

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(Submitted on 15 Nov 2010)

The goal of this article is to come up with interpretation of quantum phenomena that is both local and deterministic. This is done by the means of envoking two different metrics, g_o and g_s. These two metrics give very different "speeds of light": c_o and c_s, respectively. The g_o and c_o are, respectively, "ordinary" metric and speed of light that we are used to. On the other hand, c_s is superluminal. In this paper I propose a model in which newly introduced signals, which are subject to g_s, are responsible for key quantum phenomena.

Comments:	36 pages, no figures
Subjects:	**General Physics (physics.gen-ph)**
Cite as:	**arXiv:1011.3356v1 [physics.gen-ph]**

Submission history

From: Roman Sverdlov [view email]

[v1] Mon, 15 Nov 2010 12:21:07 GMT (35kb)

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