

Empty Waves in Bohmian Quantum Mechanics

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Abstract

There is a recurring line of argument in the literature to the effect that Bohm's theory fails to solve the measurement problem. I show that this argument fails in all its variants. Hence Bohm's theory, whatever its drawbacks, at least succeeds in solving the measurement problem. I briefly discuss a similar argument that has been raised against the GRW theory

Keywords: Quantum mechanics, measurement problem, pilot wave, Bohm, many worlds, GRW.

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