

# Locality or Non-Locality in Quantum Mechanics: Hidden Variables without “Spooky Action-at-a-Distance”

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Z. Naturforsch. **56 a**, 5–15 (2001); received February 16, 2001

*Presented at the 3rd Workshop on Mysteries, Puzzles and Paradoxes in Quantum Mechanics, Gargnano, Italy, September 17 - 23, 2000.*

The folklore notion of the “Non-Locality of Quantum Mechanics” is examined from the point of view of hidden-variables theories according to Belinfante’s classification in his *Survey of Hidden Variables Theories*. It is here shown that in the case of EPR, there exist hidden variables theories that successfully reproduce quantum-mechanical predictions, but which are explicitly local. Since such theories do not fall into Belinfante’s classification, we propose an expanded classification which includes similar theories, which we term as theories of the “third” kind. Causal implications of such theories are explored. – Pacs: 03.65.Bz

*Key words:* Non-Locality; Hidden Variables; EPR.