## 10th International Conference "Distributed Computing and Grid Technologies in Science and Education" (GRID'2023)



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## On quasiprobability distributions for composite quantum systems

Monday, 3 July 2023 17:00 (15 minutes)

The physical concept of elementary and composite systems forms the pillar on which our understanding of quantum phenomena stands. The present talk aims to discuss a complementary character of the description of elementary and composite finite-dimensional quantum systems within the modern phase-space formulation of quantum mechanics.

We will give a generic method of constructing the Wigner quasiprobability distributions of composite quantum states, analyse their properties, and discuss the features making them different from those distributions associated to elementary systems.

Summary

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