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Physics > General Physics

Unification of some classical and quantum ideas

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The free Fock space with corresponding - information creation and anihilation operators - supplies a kind of extended language in which equations for n-point information (n-pi) of classical and quantum physics are described. In this description the space and time are treated in a similar manner and even different reference systems are treated in a more democratic way. The information vacuum vectors in both the classical and quantum case are introduced. Restrictions upon n-pi leading to complete equations are derived. The paper also draws attention to the fact that averaging or smoothing of the original quantities (filtration) is not only consistent with the experimental capabilities of people, but it is also an important tool to understand the reality.

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