

Hopf structure for a Fock realization of the (p, q) -deformed white noise Heisenberg algebra

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Abstract

The Hopf algebraic structure problem for a two-parameter deformed white noise Heisenberg algebra based on the two-parameter deformation of canonical commutation relations is discussed. Firstly, in the basis of the (p, q) -Fock space we present the Fock realization of the (p, q) -deformed quantum Heisenberg algebra and we give its Hopf structure.

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