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## TENSOR NORMS RELATED TO THE SPACE OF COHEN $p$ -NUCLEAR MULTILINEAR MAPPINGS

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ABSTRACT. In this paper we consider the ideal of Cohen  $p$ -nuclear multilinear mappings, which is a natural multilinear extension of the ideal of  $p$ -nuclear linear operators. The space of Cohen  $p$ -nuclear  $m$ -linear mappings is characterized by means of a suitable tensor norm up to an isometric isomorphism.

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