

ON MULTILINEAR p -SEMI-INTEGRAL MAPPINGS

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ABSTRACT. We consider the ideal of p -semi-integral n -linear mappings, which is a natural multilinear extension of the ideal of p -summing linear operators, and establish the position of p -semi integral mappings with respect to the other classes. Also, we characterize the space of p -semi-integral multilinear mappings by means of a suitable tensor norm up to an isometric isomorphism.

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