

Some classes of p -summing type operators

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Abstract

In this talk we study the classes of bounded linear operators $\Phi : \mathcal{L}(X, Y) \rightarrow \mathcal{L}(Z, W)$ such that $(T_n) \rightarrow (\Phi(T_n))$ maps $l_p^s(X, Y)$ into $l_p(Z, W)$, $l_p^s(X, Y)$ into $l_p^s(Z, W)$ and $l_p^w(X, Y)$ into $l_p^w(Z, W)$. The Pietsch-type domination of (l_p^s, l_p) -summing linear operators is also given .

Keywords: p – summing operator, Finite rank operator, ideal property of p – suming operators , Linear operator ideals, (ℓ_p^s, ℓ_p) -summing operators

2020 Mathematics Subject Classification: Primary 47A35, 60Fxx, 60G10.

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