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PRODUCTS AND QUOTIENTS OF (p, σ) -ABSOLUTELY CONTINUOUS OPERATOR IDEALS*

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Abstract: We obtain a generalization of the ideal $\{\mathcal{M}\}_{(q,p)}$ of (q,p) -mixing operators-in the sense of Pietsch- as a consequence of the study of the quotients of (p, σ) -absolutely continuous operator ideals $\{\mathcal{P}\}_{p, \sigma}$ -in the sense of Jarchow and Matter-. Inclusions $\{\mathcal{P}\}_{p, \sigma}(E, F) \subset \{\mathcal{M}\}_{(q,s)}(E, F)$ are also investigated, specially for the cases $E=\mathcal{C}(K)$ and $E=L_1$.

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