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New Tensor Norms and Operator Ideals Associated to Interpolation Spaces Between Sequence Spaces

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Abstract: We introduce a wide class of tensor norms $g_{\bullet,\rho}$ which are defined with the help of interpolation spaces between perfect sequence spaces defined by a general parameter real interpolation method. We also characterize the associated $\bullet_\rho$-nuclear and $\bullet_\rho$-integral operators.

Key Words: Tensor norms, operator ideals, $\bullet_\rho$-nuclear and $\bullet_\rho$-integral operators.