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Title: L_1 -factorization of Pietsch integral operators

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Given a compact Hausdorff space K and a regular positive finite, Borel measure μ on K , we characterize the operators on $C(K)$ admitting a factorization through the natural inclusion of $C(K)$ into $L_1(K, \mu)$. We also characterize the operators on $L_\infty(\Omega, \nu)$, with ν a positive finite measure, that factor through the natural inclusion of $L_\infty(\Omega, \nu)$ into $L_1(\Omega, \nu)$.

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