Minimal Norms of Positive Irreducible Operators

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Using the theory of positive operators in a Banach space given by M. G. KREIN AND M. A. RUTMAN [3] and employing the concepts of a quasi-interior element of a cone and of a positive irreducible operator poposed by M.A. KRASNOSELSKIJ [2] the results in [1] may be extended to such operators in l_p and in L_p.

References

[1] J. ALBRECHT, Minimal norms of nonnegative irreducible matrices. Linear Algebra and its Application **249** (1996), 255–258.

[2] M. A. KRASNOSELSKIJ, Näherungsverfahren zur Lösung von Operatorgleichungen. Akademie Verlag, Berlin, 1973.

[3] M. G. KREIN & M. A. RUTMAN, Linear operators leaving invariant a cone in a Banach space. AMS Translations, Series One, **10** (1962), 260–279.