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On Estimates of Normal Structure Coefficients of Banach Spaces

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Abstract:

We obtained the estimates of Normal structure coefficient $N(X)$ by Neumann-Jordan constant $C_{NJ}(X)$ of a Banach space X and found that X has uniform normal structure if $C_{NJ}(X) < (3 + \sqrt{5})/4$. These results improved both Prus' [6] and Kato, Maligranda and Takahashi's [4] work.



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