Mathematical Inequalities & Applications
Volume 27, Number 3 (2024), 571–581
doi:10.7153/mia-2024-27-39

AN INEQUALITY BETWEEN $L_{YJ}(\lambda,\mu,X)$ CONSTANT AND GENERALIZED JAMES CONSTANT

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Abstract. In this paper, a simple inequality

$$L_{YJ}(\lambda,\mu,X) \leqslant \frac{3\max\{\lambda^2,\mu^2\}+\min\{\lambda^2,\mu^2\}}{(\lambda+\mu)(\lambda^2+\mu^2)} J_{\lambda,\mu}(X)$$

was given for the constant $L_{YJ}(\lambda,\mu,X)$ and the generalized James constant $J_{\lambda,\mu}(X)$, which can be regarded as a further generalization of Alonso's inequality $C_{NJ}(X) \leqslant J(X)$.

Mathematics subject classification (2020): 46B20.

Keywords and phrases: Von Neumann-Jordan constant, $L_{YJ}(\lambda,\mu,X)$ constant, generalized James constant.

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