

J.V. Ramani, Anil K. Karn, Sunil Yadav
Direct limit of matricially Riesz normed spaces

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Abstract: In this paper, the \mathcal{F} -Riesz norm for ordered \mathcal{F} -bimodules is introduced and characterized in terms of order theoretic and geometric concepts. Using this notion, \mathcal{F} -Riesz normed bimodules are introduced and characterized as the inductive limits of matricially Riesz normed spaces.

Keywords: Riesz norm, matricially Riesz normed space, positively bounded, absolutely \mathcal{F} -convex, \mathcal{F} -Riesz norm

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