Alrimawi, Fadi; Abushaheen, Fuad A.
Minkowski-Clarkson’s type inequalities. (English) Zbl 07394042
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Summary: In this paper, we give some Minkowski-Clarkson’s type inequalities related to two finite sequences of real nonnegative numbers. In particular, we prove two inequalities which in some sense can be regarded as inverse Minkowski’s inequalities concerning the cases $p \geq 2$ and $0 < p \leq 1$. Moreover, for $1 < p < 2$ we prove another Minkowski-Clarkson’s type inequality.

MSC:
26D15 Inequalities for sums, series and integrals
46B20 Geometry and structure of normed linear spaces

Keywords: Clarkson inequality; Minkowski inequality; $\ell_p$-space; inverse Minkowski’s type inequality

Full Text: DOI

References:

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