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Title: Hardy's inequality and Hausdorff operators on rearrangement-invariant Morrey spaces

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We generalize the Minkowski inequality, the Hardy–Littlewood–Pólya inequalities and the Hardy inequalities to rearrangement-invariant Morrey spaces. We obtain these results by extending the notion of Boyd's indices to the rearrangement-invariant Morrey spaces. Our method also applied to establish the boundedness of Hausdorff operators on rearrangement-invariant Morrey spaces.

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