A FAMILY OF GEOMETRIC CONSTANTS ON MORREY SPACES

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Abstract. In this paper, we calculate a family of geometric constants for Morrey spaces, small Morrey spaces and discrete Morrey spaces. This family of constants measures uniformly non-squareness of the associated spaces. We obtain that the value this family of constants for the aforementioned spaces is $2^{1-\frac{1}{t}}$ for $1 \leqslant t < \infty$, which means that the spaces are not uniformly non-square. The main results obtained in this paper generalize some existing results in the recent literature.

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