

ON THE LOWER ORDER OF MAPPINGS WITH FINITE LENGTH DISTORTION

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We study the problem of the so-called lower order for one kind of mappings with finite distortion, actively investigated in the recent 15–20 years. We prove that mappings with finite length distortion $f : D \rightarrow \mathbb{R}^n$, $n \geq 2$, whose outer dilatation is integrable to the power $\alpha > n - 1$ with finite asymptotic limit have lower order bounded from below.

Key words and phrases: mappings with bounded and finite distortion, growth of a mapping at infinity, open discrete mapping, capacity of a condenser

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