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Abstracts

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The Reshetnyak Theorem

The lecture will begin with a brief overview of the Reshetnyak theory of mappings with bounded distortion pointing out some of the highlights and relevance to nonlinear PDEs and elasticity theory. It sparks subsequent questions about mappings with unbounded distortion. An interplay between BMO-H1 duality and the newly observed phenomenon of cancellation properties of nonlinear commutators is at the heart of our methods.