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On asymptotic pointwise contractions in metric spaces

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Abstract

We discuss the existence of fixed points of asymptotic pointwise mappings in metric spaces. This is the nonlinear version of some known results proved in Banach spaces. We also discuss the case of multivalued mappings. © 2009 Elsevier Ltd. All rights reserved.

Author Keywords

Asymptotic pointwise contraction mapping; Asymptotic pointwise nonexpansive mapping; CAT(0) spaces; Fixed point; Hyperconvex metric spaces; Multivalued mappings; Uniformly convex metric spaces

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