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On local and global injectivity of noncompact vector fields in non necessarily locally convex vector spaces

Comment.Math.Univ.Carolinae 35,2 (1994) 239-248.

**Abstract:** We give in this paper conditions for a mapping to be globally injective in a topological vector space.

**Keywords:** fixed point index, locally injective mappings,  $(\varphi, \gamma)$ -condensing map-

pings

AMS Subject Classification: 47H10