

A GENERALIZATION OF AMINI-HARANDI'S FIXED POINT THEOREM WITH AN APPLICATION TO NONLINEAR MAPPING THEORY

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Abstract. We introduce a new fixed point theorem on complete metric spaces, which generalizes some former results, and we apply this to obtain a surjectivity theorem for Gâteaux differentiable mappings between Banach spaces.

Key Words and Phrases: Complete metric space, fixed point, Gâteaux derivative.

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