

Fixed points of Bianchini mappings in metric spaces endowed with a graph

FLORIN BOJOR

ABSTRACT.

Let (X, d) be a metric space endowed with a graph G such that the set $V(G)$ of vertices of G coincides with X . We define the notion of G -Bianchini maps and obtain a fixed point theorem for such mappings. This extends some results of other authors which involve Bianchini mappings.

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
NORTH UNIVERSITY OF BAIA MARE
VICTORIEI 76, 430122 BAIA MARE, ROMANIA
E-mail address: f_bojor@yahoo.com