Narang, T. D.
Metric projections in linear metric spaces. (English) Zbl 0761.46002

Summary: Various properties of the metric projection are known in normed linear spaces. G. Pantelidis
In this paper we also discuss some necessary and sufficient conditions for the metric projections to be
continuous and Lipschitzian in linear metric spaces.

MSC:
46A16 Not locally convex spaces (metrizable topological linear spaces, locally bounded spaces, quasi-
Banach spaces, etc.)
41A50 Best approximation, Chebyshev systems
46B20 Geometry and structure of normed linear spaces
41A65 Abstract approximation theory (approximation in normed linear spaces and other abstract
spaces)

Keywords:
metric projection; continuous; Lipschitzian; linear metric spaces

Full Text: DOI