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Metric complements of overt closed sets. (English) Zbl 1251.03084


Summary: We show that the set of points of an overt closed subspace of a metric completion of a Bishop-locally compact metric space is located. Consequently, if the subspace is, moreover, compact, then its collection of points is Bishop-compact.

MSC:

03F60 Constructive and recursive analysis
06B22 Frames, locales
28C05 Integration theory via linear functionals (Radon measures, Daniell integrals, etc.), representing set functions and measures

Keywords:

constructive analysis; locales; formal topology

Full Text: DOI arXiv

References:


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