

Kimura, Takashi; Komoda, Chieko

Weakly infinite-dimensional compactifications and countable-dimensional compactifications.

(English) [Zbl 1212.54085](#)

[Commentat. Math. Univ. Carol. 49, No. 1, 147-154 \(2008\)](#).

Summary: We give a characterization of a separable metrizable space having a metrizable S -weakly infinite-dimensional compactification in terms of a special metric. Moreover, we give two characterizations of a separable metrizable space having a metrizable countable-dimensional compactification.

MSC:

[54D35](#) Extensions of spaces (compactifications, supercompactifications, completions, etc.)

[54F45](#) Dimension theory in general topology

Keywords:

[S-weakly infinite-dimensional](#); [countable-dimensional](#); [compactification](#)

Full Text: [EuDML](#) [EMIS](#)