

Sgall, Jiří; Witzany, Jiří

Dimension of indiscernibility equivalences. (English) Zbl 0629.03034
Commentat. Math. Univ. Carol. 28, 537-547 (1987).

The authors (students at present) give a new property describing the dimension for compact metrizable spaces. They prove their definition being equivalent with the covering dimension. This is defined in an essentially nonstandard way and is based on the possibility of refining the topology to a totally disconnected one in a certain special manner.

Reviewer: [K.Čuda](#)

MSC:

[03E70](#) Nonclassical and second-order set theories

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

[03H05](#) Nonstandard models in mathematics

Keywords:

[alternative set theory](#); [indiscernibility equivalence](#); [dimension](#); [compact metrizable spaces](#)

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