

On productively paracompact spaces

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We give necessary conditions and sufficient conditions for productive paracompactness of spaces which are paracompact at infinity. For example, we show that a Tychonoff space with a point-countable base is productively paracompact if, and only if, the space is paracompact and it has a neighbornet (i.e., an assignment of neighborhoods to points) U such that, for every compact set K , the set $U^{-1}K$ is compact.

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