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strongly paracompact space

Canonical name StronglyParacompactSpace

Date of creation 2013-03-22 17:09:01 Last modified on 2013-03-22 17:09:01

Owner yark (2760) Last modified by yark (2760)

Numerical id 5

Author yark (2760) Entry type Definition Classification msc 54D20

Synonym strongly paracompact topological space

Defines strongly paracompact

Defines star-finite
Defines star finite

A collection \mathcal{A} of sets is said to be *star-finite* if each member of \mathcal{A} meets only finitely many members of \mathcal{A} .

A topological space X is said to be $strongly\ paracompact$ if every open cover of X has a star-finite open refinement.

A star-finite open cover of a topological space is clearly locally finite. Therefore, every strongly paracompact space is paracompact (as the name suggests).