Aurichi, Leandro F.; Junqueira, Lúcia R.; Mezabarba, Renan M.
A characterization of productive cellularity.  (English) Zbl 07487913

Summary: We investigate the notion of productive cellularity of arbitrary posets and topological spaces. Particularly, by working with families of antichains ordered with reverse inclusion, we give necessary and sufficient conditions to determine whether a poset or a topological space is productively ccc.

MSC:
54B10 Product spaces in general topology
06A06 Partial orders, general
54D65 Separability of topological spaces
54A25 Cardinality properties (cardinal functions and inequalities, discrete subsets)

Keywords:
posets; cellularity; cellular productivity; countable chain condition

Full Text: DOI

References:

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