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Maximal fuzzy topologies. (English) Zbl 0856.54004
Kybernetika 31, No. 5, 459-464 (1995).

Summary: We introduce and study maximal fuzzy P -spaces where P is fuzzy Lindelöf, fuzzy countably compact, fuzzy compact, fuzzy lightly compact or fuzzy strongly compact. Characterizations are given for maximal fuzzy P -spaces where P is fuzzy Lindelöf, fuzzy countably compact, fuzzy compact, or fuzzy strongly compact. A necessary condition is given for maximal fuzzy lightly compact spaces and fuzzy connected spaces.

MSC:

[54A40](#) Fuzzy topology

[54A10](#) Several topologies on one set (change of topology, comparison of topologies, lattices of topologies)

Cited in 2 Documents

Keywords:

maximal fuzzy P -spaces

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

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