

Kim, Yong Chan**Alexandrov L -topologies.** (English) [Zbl 1337.03080](#)

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Summary: We introduce upper and lower approximation operators as a generalization of fuzzy rough set in complete residuated lattices. We investigate relations between their operations and Alexandrov L -topologies.

MSC:[03E72](#) Theory of fuzzy sets, etc.[06A15](#) Galois correspondences, closure operators (in relation to ordered sets)[06F05](#) Ordered semigroups and monoids[54A40](#) Fuzzy topologyCited in **3** Documents**Keywords:**complete residuated lattices; upper and lower approximation operators; Alexandrov L -topologies**Full Text:** [DOI Link](#)