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A note on topology of Z -continuous posets

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Abstract: Z -continuous posets are common generalizations of continuous posets, completely distributive lattices, and unique factorization posets. Though the algebraic properties of Z -continuous posets had been studied by several authors, the topological properties are rather unknown. In this short note an intrinsic topology on a Z -continuous poset is defined and its properties are explored.

Keywords: Z -continuous posets, intrinsic topology

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