Monotone Covering Properties

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Monotone covering properties gain increasing attention in general topology in recent years. We serve some of the results of Lutzer, Matveev, Bennett, Gruenhage, Chase, as well as some of our results. We describe an example of a space with a monotone locally-finite operator that is not proto-metrizable (answering a question of Gartside and Moody), we prove that the Sorgenfrey line does not have a monotone closure-preserving operator, and discuss related metrization theorems.

References

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