

Alan Dow

A new Lindelöf space with points G_δ

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Abstract: We prove that \diamond^* implies there is a zero-dimensional Hausdorff Lindelöf space of cardinality 2^{\aleph_1} which has points G_δ . In addition, this space has the property that it need not be Lindelöf after countably closed forcing.

Keywords: Lindelöf; forcing

AMS Subject Classification: 54D20, 54A25

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