

Fundamental groups of spaces that not homotopically Hausdorff

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Abstract. In attempts to generalize the classical notion of covering spaces to spaces that are not semilocally simply connected the failure of the property "homotopically Hausdorff" has turned out to be a crucial obstruction. The probably oldest example for a space where this property fails is Griffiths' space from the fifties. The Harmonic Archipelago of Bogley and Sieradski is another example which has the additional nice property that a non-trivial image of it sits in every space that is not homotopically Hausdorff. In a joint research project with Oleg Bogopolski (Novosibirsk) we investigated Fundamental groups of such spaces.

If joint research progress till June suffices, the talk might answer a ten-year old question concerning the fundamental groups of non-homotopically Hausdorff Peano-Continua by Cannon and Conner.