

Interval maps with dense periodicity

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This talk is based on a recent study of the class of interval maps with dense set of periodic points CP and its closure $Cl(CP)$ equipped with the metric of uniform convergence. We will focus on typical properties in the class of these maps, its geometric structure, conjugacy classes and related topics motivated by properties in topological dynamics and ergodic theory (e.g. entropy, mixing, etc.). We will compare our results with naturally related class of interval maps preserving Lebesgue measure.

The talk is based on joint works with J. Bobok, J. Činč and S. Troubetzkoy.