

Quasi-symmetric rigidity of interval maps (Part I, II)

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Abstract

In these talks I will discuss a theorem (joint with Trevor Clark) which states that two topologically conjugate interval maps which are C^3 with all critical points are non-generate, are necessarily quasi-symmetrically conjugate.

Part I will consist of a precise statement of this theorem and discuss why this result is useful. Moreover, I will explain the ingredients needed to prove this theorem in the case of polynomial maps with only real critical points.

The second part of this talk will discuss what additional techniques are needed to prove the result for real polynomials and for more general maps.