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Measures maximizing entropy for Kan's example

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In 1994, Ittai Kan provided the first examples of maps with intermingled basin. The Kan's example corresponds to a partially hyperbolic endomorphism defined on a surface with boundary exhibiting two intermingled hyperbolic physical measures. Both measures are supported on the boundary and are also measures maximizing the topological entropy. In this talk we will discuss the existence of a third measure maximizing the entropy, supported in the interior of the surface.

This is a work in progress joint with B\'arbara Nu\˜nez and Sebastian Ramirez from PUCV.

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