

Mathematical Colloquia

Monday, 01 November 2021

17:15 h, lecture room 119 (ExWi)

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Thurston maps, obstructions, and snowspheres

Abstract: We consider a specific family of branched coverings of the two-dimensional sphere that arises from Schwarz reflections on flapped pillows. Using a counting argument and a characterization of rational maps due to Thurston, we establish a necessary and sufficient condition for a map in this family to be realized by a rational map. In the second part of the talk, we discuss a generalizations of this result as well as its relation to fractal snowspheres. These results are joint with M. Bonk and M. Hlushchanka.

CORONAVIRUS SAFETY MEASURES:

From September 20, 2021, the certificate requirement applies to all activities that take place within the framework of the University of Bern, regardless of the number of participants. Compliance with the certificate requirement will be checked by means of random sampling.

All other measures, especially the social distancing rules and hygiene recommendations, remain in place and apply until further notice.