Seminari Informal de Matemàtiques de Barcelona

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University: Universitat Autònoma de Barcelona.

Date: Wednesday, November 18th, 2026.
Schedule: 12:20 talk.
Place: UAB (Facultat de Ciències Aula C1/-128) and Zoom.
Language: English.

Title: Hilbert metric on properly convex domains.

Abstract: We provide a self-contained introduction to a generalization of the notion of hyperbolic metrics, i.e. the Hilbert metric on properly convex domains. We will see some examples regarding the Klein model of hyperbolic space and some non-smooth relevant basic examples like how the metric behaves on polygons.

About us: *SIMBa* is a mathematics seminar organized by graduate students in the Barcelona area. It is aimed towards graduate and last–year undergraduate students. Our goals are disseminating knowledge from different branches of mathematics for those interested and promoting networking between the attendants.
This seminar is backed by the Faculty of Mathematics and Computer Science at Universitat de Barcelona, Faculty of Mathematics and Statistics at Universitat Politècnica de Catalunya, the Department of Mathematics at Universitat Autònoma de Barcelona, CRM, IMUB and BGSMath.

Fore more information, visit seminari-simba.github.io/en. You may contact us by sending an email to ***seminari.simba@gmail.com***.