

Results and remarks on the planar homothety conjecture

Alina Stancu

Concordia University

We will present some results on the curve of flotation of a convex planar body, some of which relate to the homothety conjecture stating that the curve of flotation is homothetic to the boundary of the convex body if and only if the latter is an ellipse. (Joint work with M. Alfonseca, F. Nazarov, D. Ryabogin, and V. Yaskin)

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