

Monday, March 16, 2026
from 4:45 p.m. to 6:20 p.m. (Moscow time)
room 16-10 and ZOOM translation

Vladimir N. Zavyalov

Billiards with slipping

In classical billiards, the trajectory points on the boundary before reflection and after coincide. The removal of this restriction allowed us to consider the generalization of classical billiards — billiards with slipping, which were introduced by A.T. Fomenko. Hitting the boundary, the particle continues to move from the point isometric to the point of impact. We will consider isometries that match a point on the boundary to another point obtained by rotating the radius vector by a certain angle. The report will provide an overview of the latest results on this topic.

SCIENTIFIC SEMINAR
“DIFFERENTIAL GEOMETRY AND APPLICATIONS”

headed by Academician of RAS Anatoly T. Fomenko

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