

March 22, 2021

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*Flexible polyhedra that are
not homeomorphic to the sphere*

We begin this survey talk by recalling the basic definitions and facts of the theory of flexible polyhedra. We then discuss the state of the art in research on flexible polyhedra in \mathbb{R}^3 that are not homeomorphic to the sphere. In addition, we will talk about analogues of the Cauchy rigidity theorem for nonconvex polyhedra and on the findings of researchers in mechanics on the kinematics of mechanisms which are similar to flexible polyhedra.

SCIENTIFIC SEMINAR
“DIFFERENTIAL GEOMETRY AND APPLICATIONS”

headed by Academician of RAS Anatoly T. Fomenko

The seminar takes place online in ZOOM on Mondays
from 4:45 p.m. to 6:20 p.m. (Moscow time)

The zoom-ref is provided only to registered persons

To be registered, ask any participant of our seminar to endorse you
Announcements of previous talks can be found on the seminar website
<http://dfgm.math.msu.su/chairsem.php>