

October 28, from 4:45 p.m. to 6:20 p.m. (Moscow time)

ONLY broadcast via ZOOM

**Evgeny A. Fominykh**

*A lower bound for triangulation complexity for  
compact 3-manifolds with boundary*

The triangulation complexity of a 3-manifold with boundary is the minimal number of tetrahedra in any its ideal triangulation. Upper complexity bounds usually arise from the explicit construction of triangulations, while finding lower bounds is a hard problem in general. We will discuss the new lower complexity bound obtained via  $\mathbb{Z}_2$ -homology. It turns out that this complexity bound is stronger than the one from Frigerio, Martelli and Petronio.

SCIENTIFIC SEMINAR

“DIFFERENTIAL GEOMETRY AND APPLICATIONS”

headed by Academician of RAS Anatoly T. Fomenko

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>