

COURSEWORK / DIPLOMA WORK / MASTER THESIS TOPICS
Alexander Esterov

My current research is related to [tropical geometry](#), [singularity theory](#), and [polyhedral combinatorics](#). This field of study is a rich source of open questions of any level, from a 1st year coursework to a PhD thesis. Some of these questions are mentioned in [my texts at arXiv.org](#), but I do not feel practical to write a concrete list of problems here, because choosing a supervisor is more about choosing a general topic than a concrete problem. You are likely to be interested in my topics, if you like the references on the following page: <http://math.hse.ru/nis-12-vgeom> (particularly, the 3rd module) and the announcement of my 2013-14 course “Toric and tropical geometry” (No. 28 at <http://math.hse.ru/plan-13>).