

Семинар «Геометрические структуры на многообразиях»

Семинар состоится 22 декабря 2022 года

Семинар пройдет в аудитории 306, Усачева б.

Начало в 18:30.

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Semistable models for Severi-Brauer varieties

Abstract: Let R be a henselian discrete valuation domain (e.g., a complete DVR) with fraction field F , and let X be a Severi-Brauer variety over F . We say that X is tame if it has a point over an unramified extension of F (this is always the case if the residue field of R is perfect).

We prove that X has a proper semistable model over R if and only if X is tame. The talk is based on a joint work in progress with Alexei Kubanov and Constantin Shramov..