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Algebraizability of vector bundles and motivic homotopy theory

Thursday, 6 June 2024 09:30 (1 hour)

I will outline a program envisioned by Mike Hopkins to prove that all topological vector bundles on certain varieties are algebraizable, and I will report on recent progress on implementing this program. In particular I will explain how to combine convergence theorems of Levine and Bousfield–Kan to construct an unstable Novikov spectral sequence in motivic homotopy theory.

Presenter: BACHMANN, Tom (University of Mainz)