Topology Seminar

Amnon Neeman

of Australian National University will be speaking on

A counterexample to conjectures in negative K-theory

on November 9 at 4:30 in
MIT Room Zoom

In a 2006 article Schlichting conjectured that the negative K-theory of any abelian category must vanish. And in a 2019 article Antieau, Gepner and Heller generalized, conjecturing that the negative K-theory of any infinity-category with a bounded t-structure must vanish.

We will review the history, explain why both conjectures are plausible, and then sketch a counterexample disproving both.

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