

Stable pseudo-quadratic modules

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(Joint work with Bernhard Mühlherr)

Abstract

In 1964 Hyman Bass introduced the notion of the stable range of a ring in K-theory. In 1981 Ferdinand Veldkamp observed that rings of stable range one are precisely the rings over which there is a reasonable notion of a projective plane. The projective planes he studied are, in fact, Tits triangles. In this talk we describe efforts to extend Veldkamp's work to the case of Tits quadrangles.