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*Homogeneous integer valued polynomials and the stable homotopy of BU*

The use of homogeneous integer valued multivariable polynomials to detect elements in the stable homotopy groups of BU originated with work of Baker, Clarke, Ray and Schwartz (Trans. AMS 316(1989)). In this talk we will demonstrate some new constructions of rings of such polynomials and study their topological consequences.