

1054-16-274

Emre Coskun, Department of Mathematics, Middlesex College, The University of Western Ontario, London, Ontario N6A 5B7, Canada, and **Rajesh S Kulkarni***, Department of Mathematics, Michigan State University, East Lansing, MI 48824. *Clifford algebras of ternary forms and vector bundles on cubic surfaces*. Preliminary report.

We consider representations of Clifford algebras of ternary forms over complex numbers. We prove that these representations can be constructed in arbitrary dimensions using the arithmetically Cohen-Macaulay bundles on cubic surfaces. This is joint work with Emre Coskun. (Received September 15, 2009)