
COLIN INGALLS, University of New Brunswick, Dept. of Math and Stats
Spaces of Linear Modules on Regular Graded Clifford algebras

The space of regular noncommutative algebras includes regular graded Clifford algebras, which correspond to base point free linear systems of quadrics in dimension n in P^n . The schemes of linear modules for these algebras can be described in terms of this linear system. We show that the space of line modules on a 4-dimensional algebra is an Enriques surface called the Reye congruence, and we extend this result to higher dimensions.