Queen's Algebraic Geometry
— Seminar —

An algorithm for Hilbert regularity

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Abstract

The investigation of Hilbert regularity is part of a program that aims at estimating numerical invariants of modules, for example Betti numbers or depth, in terms of their Hilbert functions. Hilbert regularity is defined as the minimum regularity that among all modules with given Hilbert function. We will give an algorithm for its computation, accompanied by some estimates in closed form. (Joint work with J. Moyano and J. Uliczka)

Monday 23 September 2013
16:30 – 17:30
319 Jeffery Hall