

1064-13-341

**Andrew Crabbe** and **Graham J Leuschke\***, Syracuse University, Syracuse, NY 13244. *Wild Hypersurfaces*.

In the representation theory of finite-dimensional algebras over a field, Drozd's trichotomy theorem says that an algebra has either tame module type or wild module type. Loosely, these two possibilities correspond to hoping for a classification theorem, versus throwing up our hands in despair. We'd very much like a similar trichotomy result in other representation-theoretic contexts, specifically for maximal Cohen–Macaulay modules over a Cohen–Macaulay local ring. The talk will give a little background on the problem, including definitions of tame and wild CM type, and describe recent work giving a unified proof that hypersurfaces of multiplicity four or more in three or more variables have wild CM type. (Received September 14, 2010)