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Rebecca Egg* (s-regg1@math.unl.edu) and **Thomas Marley**. *Cohen-Macaulay dimension for coherent rings.*

In this talk, we'll define a notion Cohen-Macaulay (CM) dimension for modules over non-noetherian rings, based on work of A. Gerko in the noetherian case. We can then define a quasi-local coherent ring to be CM if every finitely presented module has finite CM dimension. We will explore properties of CM rings, both as they compare to the usual notion of Cohen-Macaulayness and other generalizations of Cohen-Macaulayness to coherent rings. (Received February 10, 2014)