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Rebecca Egg and **Thomas Marley*** (tmarley1@unl.edu). *Cohen-Macaulay dimension for coherent rings*. Preliminary report.

In this talk we will discuss a notion of Cohen-Macaulay (CM) dimension for finitely presented modules over coherent rings, following the work of A. Gerko in the noetherian case. We use this to define a coherent quasi-local ring to be CM if every finitely presented module has finite CM dimension. We discuss properties of such rings and how this notion of CM compares to other generalizations of Cohen-Macaulayness to coherent rings which have been studied in the literature. (Received February 06, 2014)