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David Jorgensen, Graham J Leuschke* (gjleusch@math.syr.edu) and **Sean Sather-Wagstaff**. *Dualizing modules and Gorenstein presentations*. Preliminary report.

It is well known that a Cohen-Macaulay local ring admits a dualizing module if and only if it is a homomorphic image of a Gorenstein ring. We augment this result by showing that such a ring admits a nontrivial semidualizing module if and only if it admits a Gorenstein presentation Q/I such that the ideal I has a nontrivial decomposition. (Received February 01, 2009)