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Greg Piepmeyer* (gpiepmeyer@columbiabasin.edu). *Current problems in Gorenstein homological algebra.*

Recent work, particularly coming from Emmanouil, and with my coauthors Celikbas/Christensen/Li, has highlighted the roles of Gorenstein flat and projective modules in stable homology. A few key questions remain. This talk will discuss these, the primary obstacles within these problems, and some possible routes of attack. (Received August 30, 2015)