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Claudia Miller and **Hamid Rahmati*** (rahmath@miamioh.edu). *Free Resolutions of Artinian Gorenstein Algebras*. Preliminary report.

Let k be a field of characteristic zero and let $R = k[x_1, \dots, x_n]$. In 2014, S. El Khoury and A. Kustin gave a construction of the minimal free resolution of R/I , as an R -module, where R/I is a generic graded Artinian Gorenstein k -algebra of even socle degree. We construct free resolutions of generic graded Artinian Gorenstein k -algebras of odd socle degree. In fact, our proof, which is different from that of El Khoury and Kustin, covers both odd and even cases. This is joint work with Claudia Miller. (Received September 13, 2016)