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Sema Gunturkun* (gunturkun@ms.uky.edu) and **Uwe Nagel** (uwe.nagel@uky.edu). *A Construction for Homogeneous Gorenstein Ideals*. Preliminary report.

For given Gorenstein ideals $\mathfrak{b} \subset \mathfrak{a}$ in a local Gorenstein ring R , a construction of Gorenstein ideal in $R[v]$ from the ideals $\mathfrak{a}, \mathfrak{b}$ is shown by A. Kustin and M. Miller in 1983. We adjust their construction to the case of graded rings and modify it by avoiding ring extensions. We also see how liaison theory plays an important role in this construction. (Received September 15, 2013)