1065-17-110 **Ben L. Cox*** (coxbl@cofc.edu), 66 George St., Math department, College of Charleston, Charleston, SC 29401, and **Vyatcheslav futorny**, Sao Paulo, Brazil. *DJKM algebras: Their universal central extension.*

This talk will explicitly describe in terms of generators, relations and certain families of polynomials, the universal central extension of the infinite dimensional Lie algebra, $\mathfrak{g} \otimes \mathbb{C}[t, t^{-1}, u | u^2 = (t^2 - b^2)(t^2 - c^2)]$, appearing in the work of Date, Jimbo, Kashiwara and Miwa in their study of integrable systems arising from the Landau-Lifshitz differential equation. (Received September 07, 2010)