1060-16-78   **Uma N Iyer*** (`uma.iyer@bcc.cuny.edu`), 2155 University Avenue, Bronx, NY 10453, and **Timothy C McCune**. *Differential Operators on the free algebra.*

Following the definition of the algebra of differential operators (respectively, beta-differential operators and quantum differential operators) on non-commutative algebras (respectively, non-commutative algebras graded by an abelian group) given by Lunts and Rosenberg we study these various algebras of differential operators on the free algebra. We present the generators of these algebras of differential operators and present further questions to be investigated. (Received March 21, 2010)