1011-47-80   **Benton L Duncan*** (`benton.duncan@ndsu.edu`), 300 Minard Hall, Department of Mathematics, North Dakota State University, Fargo, ND 58105. *Derivations for a matrix function algebra.*

For the norm closed nonselfadjoint operator algebra $A(C_n)$, associated to the directed graph of an n-cycle, we study the derivations. We show that for a derivation $D : A(C_n) \to A(C_n)$ and every $\lambda \in \overline{\mathbb{D}}$ there is an M_n-valued derivation, D_λ induced by D. We then show that if D_λ is inner for all $\lambda \in \mathbb{T}$ then D is inner. (Received August 15, 2005)