1077-58-2931   **Marlio Paredes*** (`maparedes@suagm.edu`), School of Science and Technology, Universidad del Turabo, P.O Box 3030, Gurabo, PR 00777-3030. *Cosymplectic Metrics on Flag Manifolds and Partial Differential Equations.*

Using moving frames we obtain a formula to calculate the codifferential of the Kähler form on a maximal flag manifold. We use this formula to prove that a metric on a classical maximal flag manifold is cosymplectic if satisfies a partial differential equation. (Received September 23, 2011)