

**Meeting:** 998, Houston, Texas, SS 20A, Special Session on Differential Geometry

998-53-255      **Jesus Muciño-Raymundo\*** (muciray@matmor.unam.mx). *Singular metrics from holomorphic maps.*

We consider holomorphic maps from a  $n$ -dimensional complex manifold  $M$  to the  $n$ -dimensional complex space. The pull back of the canonical metric, is a singular flat metric  $g_{ij}$  on  $M$ . The singularities and geodesic completeness of  $g_{ij}$  are consider. It is related with the Jacobian conjecture. (Received February 29, 2004)