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Jing Zhang* (jzhang@albany.edu), 1400 Washington Avenue, Department of Mathematics and Statistics, ES 110, Albany, NY 12222. *Singularity of a Holomorphic Map.*

Let f be a holomorphic map between two complex manifolds M and N . We will discuss its singularity. We are particularly interested in the map obtained from a holomorphic line bundle and will investigate the relationships among Milnor number, singularity of the map and the global smooth sections of the line bundle. (Received July 08, 2010)