

**Meeting:** 1006, Lubbock, Texas, SS 5A, Special Session on Recent Advances in Complex Function Theory

1006-30-199      **Roman J. Dwilewicz\*** ([romand@umr.edu](mailto:romand@umr.edu)), Department of Mathematics, University of Missouri, Rolla, MO 65409. *Holomorphic extensions and theta functions on complex tori*. Preliminary report. We give a complete characterization of vector bundles of any dimension over complex tori in which the Hartogs-Bochner holomorphic extension phenomenon holds. Since holomorphic sections of line bundles over complex tori can be identified with theta functions, the results are formulated in terms of this class. (Received February 14, 2005)