1047-32-79   **Andrew Raich*** (`araich@uark.edu`), Department of Mathematical Sciences, 1 University of Arkansas, SCEN 327, Fayetteville, AR 72701. *Compactness of the Complex Green Operator on CR Manifolds of Hypersurface Type.*

In this talk, I will discuss sufficient conditions for the compactness of the complex Green operator on CR manifolds. In particular, I will focus on the cases when the CR manifold arises as the boundary of a pseudoconvex domain and the generalization of this case to CR manifolds of hypersurface type (i.e., one totally real direction). (Received January 16, 2009)