

1046-47-567

Robert F. Allen* (rallen2@gmu.edu), George Mason University, Department of Mathematical Sciences, Fairfax, VA 22030. *Multiplication Operators on the Bloch Space of a Bounded Homogeneous Domain*. Preliminary report.

In this talk, we investigate the multiplication operators on the Bloch space of a bounded homogeneous domain. We characterize the bounded and compact operators, give norm estimates, and compute the spectrum. Lastly, we characterize the isometric operators on a large class of bounded symmetric domains. This is joint work with Flavia Colonna of George Mason University. (Received September 08, 2008)