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Maheer M.H. Marzuq* (mmarzuq@moc.edu), 634 Henderson Street, Mount Olive, NC 28365. *On Class of Spaces of Holomorphic and Pluriharmonic Functions on Bounded Symmetric Domains in C^n ($n > 1$).*

Let D be a bounded symmetric domain in C^n with Bergman-Silov boundary b . The spaces of holomorphic functions with L^p norm are considered. Estimations for the Fourier coefficients of a function are obtained generalizing a result on the unit disc of Gvaradze (1977). The corresponding spaces of pluriharmonic functions are introduced and it is shown that L^p is self-conjugate generalizing a result of Mitchell (1981) who studied on bounded symmetric domains. (Received October 12, 2008)