

1125-32-2431

Snehalatha Ballamoole* (sb1244@msstate.edu), **Thomas Len Miller**, **Vivien Glass Miller** and **Mathew Scott McBride**. *Cesàro-type operators on Hardy and Bergman space of analytic functions on the unit ball.*

Let $\mathcal{H}(\mathcal{B}_n)$ denote the space of all holomorphic functions on the unit ball of \mathcal{C}^n . We consider the integral operators

$$T_g f(z) = \int_0^1 f(tz) (\mathcal{R}g)(tz) \frac{dt}{t}$$

where $g, f \in \mathcal{H}(\mathcal{B}_n)$, $z \in \mathcal{B}_n$ and \mathcal{R} represents the radial derivative. We obtain boundedness and spectrum of these operators on the Hardy and weighted Bergman spaces in the unit ball.

(Received September 20, 2016)