

1119-32-78

Yunus E. Zeytuncu* (zeytuncu@umich.edu) and **Sönmez Şahutoğlu**. *Compactness of Hankel and the $\bar{\partial}$ -Neumann operators on Hartogs domains in \mathbb{C}^2 .*

We prove that on smooth bounded pseudoconvex Hartogs domains in \mathbb{C}^2 compactness of the $\bar{\partial}$ -Neumann operator is equivalent to compactness of all Hankel operators with symbols smooth on the closure of the domain. (Received February 08, 2016)