

1116-32-489

Zeljko Cuckovic (zeljko.cuckovic@utoledo.edu), Toledo, OH 43606, and **Sonmez Sahutoglu*** (sonmez.sahutoglu@utoledo.edu), Toledo, OH 43606. *Essential norm estimates for the $\bar{\partial}$ -Neumann operator.*

Essential norm of an operator is its distance to compact operators. In this talk we give a lower estimate for the essential norm of the $\bar{\partial}$ -Neumann operator on convex domains and on worm domains. This is joint work with Zeljko Cuckovic. (Received September 03, 2015)