

1135-47-411

**Anthony Vasaturo\*** (avasatu@rockets.utoledo.edu), 2801 W Bancroft Street, Toledo, OH 43606, and **Zeljko Cuckovic**. *Carleson measures and Douglas' question on the Bergman space.*

Motivated by Douglas' question about the invertibility of Toeplitz operators on the Hardy Space, we study a related question concerning the Berezin transform and averaging function of a Carleson measure for the weighted Bergman space of the disc. As a consequence, we obtain a necessary and sufficient condition for the invertibility of Toeplitz operators whose symbols are averaging functions of these Carleson measures. (Received August 31, 2017)