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**Wolfram Bauer** and **Trieu Le\*** ([trieu.le2@utoledo.edu](mailto:trieu.le2@utoledo.edu)). *Finite rank Toeplitz operators on the Segal–Bargmann space.*

The Segal–Bargmann space  $\mathcal{H}^2(\mathbb{C})$  consists of entire functions that are square integrable with respect to the Gaussian measure on  $\mathbb{C}$ . For any bounded measurable function  $\varphi$ , the Toeplitz operator  $T_\varphi$  is the compression of the multiplication operator  $M_\varphi$  on  $\mathcal{H}^2(\mathbb{C})$ . It follows from Daniel Luecking’s result in 2007 that if  $T_\varphi$  has finite rank and  $\varphi$  is supported on a bounded set, then  $\varphi$  must vanish almost everywhere. In this talk, we will discuss the case when  $\varphi$  has an unbounded support. (Received August 25, 2012)