

1022-58-47

**Tatyana Foth\*** (tfoth@uwo.ca), Department of Mathematics, University of Western Ontario,  
London, Ontario N6A 5B7, Canada. *Kähler manifolds and Toeplitz operators.*

I shall talk about Toeplitz operators associated to the unit circle bundle in a holomorphic hermitian line bundle  $L$  on an integral Kähler manifold (it is the boundary of a complex domain, the disc bundle in  $L$ ). I will state several recent asymptotic ( $k \rightarrow +\infty$ ) results for  $(L^*)^{\otimes k}$ . (Received September 06, 2006)