1125-47-963 **Faruk Yilmaz*** (yilmaz@math.utk.edu), 227 Ayres Hall. 1403 Circle Drive., Knoxville, TN 37996-1320. *Approximation of Invariant Subspaces in Some Dirichlet-type Spaces.*

The Dirichlet-type space $\mathcal{D}_2$ consists of all analytic functions f on the unit disc $\mathbb{D}$ such that f' is in the Hardy Hilbert space $\mathbf{H}^2$. In this talk, we discuss the result that proves that every nonzero invariant subspace of the multiplication operator M_z on the $\mathcal{D}_2$ space can be approximated by finite co-dimensional ones. For the Dirichlet space $\mathbf{D}$ we have a partial analogue. (Received September 13, 2016)