1125-47-3015 Michael G Dabkowski* (mdabkowsk@ltu.edu), 11403 Waverly, Plymouth, MI 48170, and John H. Clifford. On The Numerical Range of the $C_{\phi}C_{\psi}^*$. Preliminary report.

We consider the numerical range the product of a composition operator C_{ϕ} and the adjoint of a composition operator, C_{ψ}^* , both acting on the Hardy space H^2 . For certain choices of ϕ and ψ with small L^{∞} norm, we show that the numerical range is a non-tangential approach region on the disc and explicitly compute the aperture at the boundary point of this region. We relate this problem to the problem of finding the spectrum of a certain class of Jacobi matrices. (Received September 20, 2016)