



Thomas Ransford (ransford@mat.ulaval.ca) Department of Mathematics and Statistics, Université Laval, Quebec, Canada G1V 0A5, *Cyclicity in the Dirichlet space*.

ABSTRACT. According to a famous theorem of Beurling, a function is cyclic for the Hardy space iff it is an outer function. Characterizing cyclicity in the Dirichlet space, on the other hand, is still an open problem. In 1984 Brown and Shields conjectured that a function is cyclic for the Dirichlet space iff it is an outer function and its radial boundary limits are non-zero outside a set of logarithmic capacity zero. I shall describe some recent progress towards this conjecture (joint work with Omar El-Fallah and Karim Kellay).