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**Debendra P Banjade\*** (dpbanjade@coastal.edu), Coastal Carolina University, Department of Mathematics, P.O. Box 261954, Conway, SC 29528, and **Caleb D Holloway** and **Tavan T Trent**. *A Generalized Wolff's Ideal Theorem on Certain Subalgebras of  $H^\infty(\mathbb{D})$ .*

In 1962, L. Carleson proved his celebrated Corona Theorem characterizing when a finitely generated ideal of  $H^\infty(\mathbb{D})$  is all of  $H^\infty(\mathbb{D})$ . Later, in 1980, T. Wolff extended Carleson's result and partially generalized the Corona Theorem in  $H^\infty(\mathbb{D})$ . More recently, S. Treil provided the best known sufficient condition for the generalized Corona Theorem in  $H^\infty(\mathbb{D})$ . In this talk, we prove the generalized Wolff's Ideal Theorem on certain uniformly closed subalgebras of  $H^\infty(\mathbb{D})$  on which the Corona Theorem is already known to hold.

This talk is based on a joint work with Caleb Holloway and Tavan T. Trent. (Received September 16, 2014)