

1125-VB-2542      **Lisa De Castro\*** (ldecastro@flsouthern.edu), Florida Southern College, Department of Mathematics, 111 Lake Hollingsworth Drive, Lakeland, FL 33801. *An extension of “Positive  $H^{1/2}$  Functions are Constants”*. Preliminary report.

In 1967 J. Neuwirth and D. J. Newman published a one page paper entitled “Positive  $H^{1/2}$  Functions are Constants”. This theorem can be extended to finitely connected domains with no isolated boundary points. For these domains, the sufficient conditions can be relaxed so that functions need only be non-negative on one boundary curve for the result to hold. (Received September 20, 2016)