

**ON UNIQUE CONTINUATION AT THE BOUNDARY FOR HOLOMORPHIC
FUNCTIONS AND SOLUTIONS OF THE HELMHOLTZ EQUATION.
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ABSTRACT: WE WILL DISCUSS RESULTS ON LOCAL UNIQUE CONTINUATION AT THE BOUNDARY FOR HOLOMORPHIC FUNCTIONS OF ONE VARIABLE AND FOR THE SOLUTIONS OF THE HELMHOLTZ EQUATION $L_c u = \Delta u + cu = 0$, $c \in \mathbb{R}$ IN AN OPEN SET OF THE HALF SPACE \mathbb{R}_+^n GENERALIZING THE THEOREMS PROVED BY BAOUENDI AND ROTHSCHILD FOR HARMONIC FUNCTIONS. THE RESULTS INVOLVE A LOCAL BOUNDARY SIGN CONDITION ON THE PRODUCT OF THE SOLUTION AND A MONOMIAL. APPLICATIONS TO UNIQUE CONTINUATION FOR CR MAPPINGS WILL ALSO BE DISCUSSED