MICROLOCAL HYPO-ANALYTICITY AND EXTENSION OF CR FUNCTIONS

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INTRODUCTION

Since the publication of H. Lewy's paper [12] the question of local holomorphic extension of CR functions defined on submanifolds of C^m has been studied by a number of mathematicians (to name a few: Andreotti and Hill [1], Hill and Taiani [9], Hunt and Wells [11], Wells [17]).

In Baouendi & Treves [2] (and in [3]; for a systematic and updated description see Treves [16]) it has been shown that such a question is actually relevant for all solutions of a system of equations

$$(*) \qquad\qquad L_j h = 0, \quad j = 1, \cdots, n,$$