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Berhanu, S. (1-TMPL)

Microlocal Holmgren's theorem for a class of hypo-analytic structures.

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Summary: "In 1981 J. Sjöstrand [Comm. Partial Differential Equations **6** (1981), no. 5, 499–567; MR0613851 (82k:35011)] gave a simpler proof of a result of Schapira concerning a microlocal version of Holmgren's theorem for real analytic data. Inspired by Sjöstrand's proof, in this paper we extend Schapira's result to a certain class of hypoanalytic structures. The paper is organized as follows: In Section 2 we discuss the Cauchy-Kovalevskaya theorem for maximal hypoanalytic structures. In Section 3 we introduce a class of hypoanalytic structures which we call real hypo-analytic, give a statement of the main theorem of this article and derive two corollaries. A lemma is included in the same section and is used in the proof of the main theorem, which appears in Section 4."

Reviewed by *Jean Leray*