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Article

## MR624034 (82k:35024) 35G25 Yoshino, Masafumi

## On the solvability of nonlinear Goursat problems.

Proc. Japan Acad. Ser. A Math. Sci. 57 (1981), no. 5, 247–248.

The nonlinear analytic Cauchy-Goursat problem  $\varepsilon D^{\beta}u = a(x, D^{\alpha}u), u = O(x^{\beta})$ , is studied in the neighborhood of the origin of  $\mathbb{C}^d$ , where  $|\alpha| \leq \beta$ ,  $\alpha \neq \beta$  and  $\varepsilon$  is a complex constant. A theorem is stated which supplements preceding results by L. Gårding [Acta Math. **114** (1965), 143–158; MR0176221 (31 #496)] and C. Wagschal [J. Math. Pures Appl. (9) **58** (1979), no. 3, 309–337; MR0544256 (82m:35024)]. The assumptions of that theorem are very special when  $d \geq 3$ .

Reviewed by Jean Leray

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Citations

From References: 0 From Reviews: 0