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REFERENCES

- AGMON, S., A. DOUGLIS and L. NIRENBERG. [1] Estimates near the boundary for solutions of elliptic partial differential equations satisfying general boundary conditions. I. *Comm. Pure Appl. Math.*, 12 (1959), pp. 623-727. II. *Comm. Pure Appl. Math.*, 17 (1964), pp. 35-94.
- ANDERSSON, K. G. [1] Propagation of analyticity of solutions of partial differential equations with constant coefficients. *Ark. för Matematik*, 8 (1970), pp. 277-302.
- BONY, J. M. [1] Une extension du théorème de Holmgren sur l'unicité du problème de Cauchy. *C. R. Acad. Sci. Paris* 268 (1969), pp. 1103-1106.
- BORELLI, R. L. [1] A priori estimates for a class of second order non-regular boundary problems. Thesis, U. of California, Berkeley (1963).
- CARATHÉODORY, C. [1] Variationsrechnung und partielle Differentialgleichungen Erster Ordnung. Berlin, Teubner, 1935.
- DUISTERMAAT, J. J. and L. HÖRMANDER. [1] Fourier integral operators, II. In preparation.
- EGOROV, Yu. V. [1] On canonical transformations of pseudo-differential operators. *Uspehi Mat. Nauk*, 25 (1969), pp. 235-236.
- [2] On subelliptic pseudo-differential operators. *Dokl. Akad. Nauk SSSR*, 188 (1969), pp. 20-22. Also in *Soviet Math. Dokl.*, 10 (1969), pp. 1056-1059.
- [3] Non-degenerate subelliptic pseudo-differential operators. *Mat. Sbornik*, 82 (124) (1970), pp. 324-342.
- and V. A. Kondrat'ev. [1] The oblique derivative problem. *Mat. Sbornik*, 78 (120) (1969), pp. 148-176. Also in *Math. USSR Sbornik*, 7 (1969), pp. 139-169.
- EŠKIN, G. I. [1] Degenerating elliptic pseudodifferential equations of principal type. *Mat. Sbornik*, 82 (124) (1970), pp. 585-628.
- FLASCHKA, H. and G. STRANG. [1] The correctness of the Cauchy problem. To appear.
- GABRIELOV, A. M. [1] On a theorem of Hörmander. *Funkt. anal. i evo pril.*, 4 (1970), pp. 18-22.
- GRUŠIN, V. V. [1] The extension of smoothness of solutions of differential equations of principal type. *Dokl. Akad. Nauk SSSR*, 148 (1963), pp. 1241-1244. Also in *Soviet Math. Dokl.*, 4 (1963), pp. 248-252.
- HÖRMANDER, L. [1] Linear partial differential operators. *Grundl. d. Math. Wiss.*, 116, Springer Verlag, 1963.
- [2] Pseudo-differential operators. *Comm. Pure Appl. Math.*, 18 (1965), pp. 501-517.
- [3] Pseudo-differential operators and non-elliptic boundary problems. *Ann. Math.*, 83 (1966), pp. 129-209.
- [4] Pseudo-differential operators and hypoelliptic equations. *Amer. Math. Soc. Symp. on Singular Integral Operators*, 1966, pp. 138-183.
- [5] Hypoelliptic second order differential equations. *Acta Math.*, 119 (1967), pp. 147-171.
- [6] The spectral function of an elliptic operator. *Acta Math.*, 121 (1968), pp. 193-218.
- [7] On the singularities of solutions of partial differential equations. *Comm. Pure Appl. Math.*, 23 (1970), pp. 329-358.
- [8] On the index of pseudo-differential operators. Elliptische Differentialgleichungen II, Koll. Aug. 1969, in Berlin. Schriftenreihe der Inst. für Math. Deutsch. Akad. d. Wiss. zu Berlin Reihe A, Heft 8.
- [9] Fourier integral operators I. *Acta Math.*, 127 (1971), pp. 79-183.
- [10] The calculus of Fourier integral operators. In *Prospects in Mathematics* to be published by Princeton University Press.
- [11] Uniqueness theorems and wave front sets for solutions of linear differential equations with analytic coefficients. *Comm. Pure Appl. Math.*, 24 (1971).

- [12] A remark on Holmgren's uniqueness theorem. To appear in *J. Diff. Geom.*, 5 (1971).
- [13] Linear differential operators. *Actes Congrès Intern. Math. Nice 1970*, 1.
- JOHN, F. [1] Continuous dependence on data for solutions of partial differential equations with a prescribed bound. *Comm. Pure Appl. Math.*, 13 (1960), pp. 551-585.
- KAWAI, T. [1] Construction of elementary solutions for I-hyperbolic operators and solutions with small singularities. *Proc. Jap. Acad.*, 46 (1970), pp. 912-915.
- [2] Construction of a local elementary solution for linear partial differential operators, I-II. *Proc. Jap. Acad.*, 47 (1971), pp. 19-23, and to appear.
- KLINE, M. and I. W. KAY. [1] Electromagnetic theory and geometrical optics. *Pure and Applied Mathematics XII*, Interscience Publ., New York, 1965.
- KOHN, J. J. and L. NIRENBERG. [1] On the algebra of pseudo-differential operators. *Comm. Pure Appl. Math.*, 18 (1965), pp. 269-305.
- KUMANO-GO, H. [1] Algebras of pseudo-differential operators. *J. Fac. Sci. Univ. Tokyo*, 17 (1970), pp. 31-50.
- LAX, P. D. [1] Asymptotic solutions of oscillatory initial value problems. *Duke Math. J.*, 24 (1957), pp. 627-646.
- and L. NIRENBERG. [1] On stability for difference schemes; a sharp form of Gårding's inequality. *Comm. Pure Appl. Math.*, 19 (1966), pp. 473-492.
- LEWY, H. [1] An example of a smooth linear partial differential equation without solutions. *Ann. Math.*, 66 (1957), pp. 155-158.
- MALGRANGE, B. [1] Existence et approximation des solutions des équations aux dérivées partielles et des équations de convolution. *Ann. Inst. Fourier Grenoble*, 6 (1955-1956), pp. 271-355.
- [2] Sur les ouverts convexes par rapport à un opérateur différentiel. *C. R. Acad. Sci. Paris*, 254 (1962), pp. 614-615.
- MASLOV, V. P. [1] Theory of perturbations and asymptotic methods. *Moskov. Gos. Univ.*, Moscow 1965 (Russian).
- MELIN, A. [1] Lower bounds for pseudo-differential operators. *Ark. för Matematik*, 9 (1971).
- MIZOHATA, S. [1] Solutions nulles et solutions non analytiques. *J. Math. Kyoto Univ.*, 1 (1962), pp. 271-302.
- and Y. OHYA. [1] Sur la condition de E. E. Levi concernant des équations hyperboliques. *Publ. Res. Inst. Math. Sci. Kyoto Univ. A*, 4 (1968), pp. 511-526.
- NIRENBERG, L. and F. TRÈVES. [1] Solvability of a first order linear partial differential equation. *Comm. Pure Appl. Math.*, 14 (1963), pp. 331-351.
- [2] On local solvability of linear partial differential equations. Part I: Necessary conditions. Part II: Sufficient conditions. *Comm. Pure Appl. Math.*, 23 (1970), pp. 1-38 and pp. 459-510.
- RADKEVIČ, E. V. [1] On a theorem of L. Hörmander. *Uspehi Mat. Nauk SSSR*, 24, 1 (145) (1969), pp. 199-200.
- [2] A priori estimates and hypoelliptic operators with multiple characteristics. *Dokl. Akad. Nauk SSSR*, 187 (1969), pp. 274-277.
- SATO, M. [1] Hyperfunctions and partial differential equations. *Proc. Int. Conf. on Funct. Anal. Tokyo 1969*, pp. 91-94.
- [2] Regularity of hyperfunction solutions of partial differential equations. To appear in *Actes Congrès Intern. Math. Nice 1970*.
- and T. KAWAI. [1] Structure of hyperfunctions. *Symp. Alg. Geom. and Hyperfunction Theory*. Katata 1969 (Japanese).
- and M. KASHIWARA. [1] Structure of hyperfunctions. *Sugaku no Ayumi*, 15 (1970), pp. 9-72 (Japanese).

- SCHWARTZ, L. [1] Théorie des distributions à valeurs vectorielles, I. *Ann. Inst. Fourier Grenoble*, 7 (1957), pp. 1-141.
- SJÖSTRAND, J. [1] Sur une classe d'opérateurs pseudo-différentiels de type principal. *C. R. Acad. Sci. Paris*, 271 (1970), pp. 781-783.
- TRÈVES, F. [1] Linear partial differential equations with constant coefficients. Gordon and Breach, New York, 1966.
- [2] On the local solvability of linear partial differential equations in two independent variables. *Amer. J. Math.*, 92 (1970), pp. 174-204.
- [3] Local solvability in  $L^2$  of first order linear PDE's. *Amer. J. Math.*, 92 (1970), pp. 369-380.
- [4] Hypoelliptic partial differential equations of principal type with analytic coefficients. *Comm. Pure Appl. Math.*, 23 (1970), pp. 637-651.
- [5] Analytic hypoelliptic partial differential equations of principal type. To appear in *Comm. Pure Appl. Math.*
- [6] A new method of proof of the subelliptic estimates. *Comm. Pure Appl. Math.*, 24 (1971), pp. 71-115.
- [7] Hypoelliptic partial differential equations of principal type. Sufficient conditions and necessary conditions. To appear in *Comm. Pure Appl. Math.*
- [8] Fundamental solutions of linear partial differential equations with constant coefficients depending on parameters. *Amer. J. Math.*, 84 (1962), 561-577.
- [9] Equations aux dérivées partielles inhomogènes à coefficients constants dépendant de paramètres. *Ann. Inst. Fourier Grenoble*, 13 (1963), pp. 123-138.
- VAILLANCOURT, R. [1] A simple proof of Lax-Nirenberg theorems. *Comm. Pure Appl. Math.*, 23 (1970), pp. 151-163.
- ZACHMANOGLU, E. C. [1] Uniqueness of the Cauchy problem when the initial surface contains characteristic points. *Arch. Rat. Mech. Anal.*, 23 (1966), pp. 317-326.
- [2] Non-uniqueness of the Cauchy problem for linear partial differential equations with variable coefficients. *Arch. Rat. Mech. Anal.*, 27 (1968), pp. 373-384.
- [3] Propagation of zeros and uniqueness in the Cauchy problem for first order partial differential equations. *Arch. Rat. Mech. Anal.*, 38 (1970), pp. 178-188.
- ZERNER, M. [1] Solutions singulières d'équations aux dérivées partielles. *Bull. Soc. Math. France*, 91 (1963), pp. 203-226.

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Lars Hörmander  
Department of Mathematics  
University of Lund (Sweden)