

#### REFERENCES

1. S. Agmon, Lectures on Elliptic Boundary Value Problems, van Nostrand, 1964.
2. Agmon, Douglis, and Nirenberg, "Estimates near the boundary for solution of elliptic differential equations satisfying general boundary conditions." *Comm. Pure Appl. Math.* 12(1959) 623-727.
3. M.S. Agranovich, "Boundary value problems for first order pseudodifferential operators." *Russian Math. Surveys* (1971) 59-126.
4. Boutet de Monvel, "Boundary problems for pseudo-differential operators." *Acta. Math.* 126(1971) 11-51.
5. —————, "Comportement d'un operateur pseudo differentiel sur une variété à bord." *J. Anal. Math.* 17(1966) 241-304.
6. A. Calderon and A. Zygmund, "Singular integral operators and differential equations." I. *Amer. J. Math.* 79(1957) 901-921, II. *Amer. J. Math.* 80(1958) 16-36.
7. —————, "On the existence of certain singular integrals." *Acta. Math.* 88(1952) 85-139.
8. A. Calderon, "Algebras of singular integral operators." Proceedings of Symposia in Pure Math. X, Amer. Math. Soc. 1967.
9. L. Coburn, "Weyl's theorem for non normal operators." *Mich. J. Math.* 13(1966) 285-288.
10. H. Cordes, "Pseudo differential operators on a half-line." *J. Math. Mech.* 18(1969) 893-908.
11. —————, "An algebra of singular integral operators with two symbol homomorphisms" *Bull. Amer. Math. Soc.* 75(1969) 37-42.
12. H. Cordes and E. Hermann, "Gelfand theory of pseudo differential operators." *Amer. J. Math.* 90(1968) 681-717.
13. Courant and Hilbert, Methods of Mathematical Physics II. J. Wiley 1966.
14. Courant and Lax, "The propagation of discontinuities in wave motion." *Proc. Nat. Acad. Sc. U.S.A.* 42(1956) 872-876.
15. J. Dieudonne, Foundations of Modern Analysis, Academic Press, New York, 1964.

16. J. Dixmier, Les C\* Algebres et Leurs Représentations, Gauthier-Villans. 1964.
17. J. Dugundji, Topology. Allyn and Bacon, New York 1966.
18. Duistermaat and Hörmander, "Fourier integral operators, II." Acta Math., to appear.
19. Yu. V. Egorov, "On canonical transformations of pseudo-differential operators." Uspeki Math. Nauk. 25(1969) 235-236.
20. Yu. V. Egorov, "On subelliptic pseudo-differential operators." Dokl. Akad. Nauk. S.S.S.R. 188(1969) 20-22. Soviet Math. Dokl. 10(1969) 1056-1059.
21. A. Freidman, Partial Differential Equations of Parabolic Type. Prentis Hall, Englewood Cliffs, N.H. 1964.
22. K. Friedrichs, Lectures on Pseudo Differential Operators. N.Y.U. Lecture Notes. 1968.
23. ————, "The identity of weak and strong extensions of differential operators." Trans. Amer. Math. Soc. 55(1944) 132-151.
24. Friedrichs and Lax, "Boundary value problems for first order operators." Comm. Pure Appl. Math. 18(1965) 355-388.
25. P. Garabedian, Partial Differential Equations, J. Wiley. New York. 1964.
26. L. Gårding, "Dirichlet's problem for linear elliptic partial differential equations." Math. Scand. 1 (1953) 55-72.
27. ————, "Solution directe de probleme de Cauchy pour les equations hyperboliques." Coll. Int. C.N.R.S. Nanos. 1956. 71-90.
28. Goldstein, Classical Mechanics. Addison-Wesley. 1950.
29. E. Herman, "The symbol of the algebra of singular integral operators." J. Math. Mech. 15(1966) 147-156.
30. R. Hersch, "Mixed problems in several variables." J. Math. Mech. 12(1963) 317-334.

31. L. Hörmander, Linear Partial Differential Operators. Springer-Verlag, 1964.
32. ————, "Pseudo-differential operators." *Comm. Pure Appl. Math.* 18(1965) 501-517.
33. ————, "Pseudo-differential operators and non-elliptic boundary problems." *Ann. of Math.* 83(1966) 129-209.
34. ————, "Pseudo-differential operators and hypoelliptic equations." Singular Integrals, Proc. Sym. Pure Math X, Amer. Math. Soc. 1967
35. ————, "On the existence and the regularity of solutions of linear pseudo-differential equations." *L'Enseignement Math.*
36. ————, "Hypoelliptic second order differential equations." *Acta. Math.* 119(1967) 147-171.
37. ————, "The spectral function of an elliptic operator." *Acta Math.* 121(1968) 193-218.
38. ————, "The calculus of Fourier integral operators." *Prospects in Mathematics*,
39. ————, "Fourier integral operators I." *Acta. Math.* 127(1971) 79-183.
40. T. Kato, Perturbation Theory for Linear Operators, Springer-Verlag 1966.
41. T. Kato, "Linear evolution equations of "hyperbolic" type." *J.Fac.Sci. Tokyo*, 17(1970) 241-258.
42. Kelley, General Topology Van Nostrand, New York, 1955.
43. J. Kohn, "Pseudo-differential operators and hypoellipticity." *Berkeley PDE*, to appear.
44. J. Kohn and L. Nirenberg, "An algebra of pseudo-differential operators." *Comm. Pure Appl. Math.* 18(1965) 269-305.
45. J. Kohn and L. Nirenberg, "Non-coercive boundary problems." *Comm. Pure Appl. Math* 18(1965).
46. H. Kreiss, "Initial boundary value problems for hyperbolic systems." *Comm. Pure Appl. Math.* 23(1970) 277-298.
47. H. Kumano-Go, "Pseudo-differential operators and the uniqueness in the Cauchy problem." *Comm. Pure Appl. Math* 22(1969) 73-129.

48. P. Lax, Lectures on Hyperbolic Equations. Stanford Lecture Notes. 1963.
49. \_\_\_\_\_, "Asymptotic solutions of oscillatory initial value problems." Comm. Pure Appl. Math (1957).
50. \_\_\_\_\_, "On Cauchy's problem for hyperbolic equations and the differentiability of solutions of elliptic equations." Comm. Pure Appl. Math. (1955) 615-633.
51. Lax and Nirenberg, "On stability for difference schemes; a sharp form of Gårding's inequality." Comm. Pure Appl. Math. 19(1966) 473-492.
52. Lax and Phillips, Scattering Theory. Academic Press, New York 1967.
53. \_\_\_\_\_, "Scattering Theory". Rocky Mountain J. Math. 1(1971) 173-223.
54. Lions, Equations Differentielles Operationelles. Springer-Verlag. 1963.
55. Lions and Magenes, Problems aux Limites non Homogenes et Leurs Applications Dunod, Paris, 1967.
56. D. Ludwig, "Exact and asymptotic solutions of the Cauchy problem." Comm. Pure Appl. Math 13(1960) 473-508.
57. McKean and Singer, "Curvature and eigenvalues of the Laplacian." Journ. Diff. Geom. 1(1967) 43-69.
58. Mikhlin, Multidimensional Singular Integral Equations. Pergamon Press, New York. 1965.
59. C. Morrey, Multiple Integrals and the Calculus of Variations. Springer-Verlag 1966.
60. Muskhelishvili, Singular Integral Equations. P. Nordhoff, Groningen. 1953.
61. U. Neri, "Singular integral operators on manifolds." Singular Integrals. Proc. Symp. Pure Math X. Amer. Math. Soc. 1967.
62. L. Nirenberg and F. Treves, "On local solvability of linear partial differential equations." I and II. Comm. Pure Appl. Math. 23(1970) 1-38 and 459-510.

63. O. Oleinick and E. Radkevitch, "Second order equations with non-negative characteristic form." Math. Analysis 1969, Itogi Nauk, Moscow 1971. (English translation to appear).
64. Palais, ed., Seminar on the Atiyah-Singer Index Theorem, Princeton Annals of Math. Studies, 1963.
65. H. Poincare, Leçons de Mécanique Celeste. Paris, 1910.
66. J. Polking, "Boundary value problems for parabolic systems of partial differential equations." Singular Integrals, Proc. Symp. Pure Math., Amer. Math. Soc. 1967.
67. J. Ralston, "Deficiency indices of symmetric operators with elliptic boundary conditions." Comm. Pure Appl Math. 23(1970). 221-232.
68. J. Rauch, " $L^2$  is a continuable initial condition for Kreiss well posed problems." to appear.
69. J. Rauch and M. Taylor, "Penetrations into shadow regions and unique continuation properties in hyperbolic mixed problems." Indiana Jour. Math., to appear.
70. Richtmyer and Morton, Difference Methods for Initial-value Problems. J. Wiley, New York. 1967.
71. L. Sarason, "On weak and strong solutions of boundary value problems." Comm. Pure Appl. Math 15(1962) 237-288.
72. R. Seeley, "Singular integrals on compact manifolds." Amer. J. Math. 81 (1959) 686-690.
73. —————, "Singular integrals and boundary value problems." Amer. J. Math. 88(1966) 781-809.
74. —————, "Complex powers of an elliptic operator." Singular Integrals. Proc. Symp. Pure Math. Amer. Math. Soc. 1967.
75. D. Tartakoff, "Regularity of solutions to boundary value problems for first order systems." To appear.
76. M. Taylor, "Gelfand theory of pseudo-differential operators, and hypoelliptic operators." Trans. Amer. Math. Soc. 153(1971) 495-510.

77. F. Trèves, Topological Vector Spaces, Distributions, and Kernels. Academic Press, New York. 1967.
78. —————, "A new proof of the subelliptic estimates." *Comm. Pure Appl. Math* 24(1971) 71-115.
79. —————, "Hypoelliptic partial differential equations of principal type with analytic coefficients." *Comm. Pure Appl Math.* 23(1970) 637-651.
80. —————, Partial Differential Equations with Constant Coefficients. Gordon and Breach. New York 1967.
81. R. Vaillancourt, "A simple proof of the Lax-Nirenberg theorem." *Comm. Pure Appl. Math.* 23(1970) 151-163.
82. —————, "Pseudo-translation operators." Thesis, N.Y.U. 1969.
83. Visik and Eskin, "Normally solvable problems for elliptic systems of equations in convolutions." *Mat. Sboinik* 74 (116) (1967) 326-356.
84. Yamaguti and Nogi, "An algebra of pseudo-difference schemes and its application." *Publ. RIMS Vol.* 3(1967) 151-166.
85. K. Yosida, Functional Analysis. Springer-Verlag. 1965.
86. R. Beals and C. Fefferman, "On local solvability of linear partial differential equations." *Ann. of Math.* (1973) 482-498.
87. —————, "Spatially inhomogeneous pseudo-differential operators," *Comm. Pure Appl. Math.*, to appear.
88. A. Calderon and R. Vaillancourt, "On the boundedness of pseudodifferential operators," *J. Math. Soc. Japan*, 23 (1971), 374-378.
89. J. Duistermaat, Fourier Integral Operators, Courant Institute Lecture Notes, 1973.
90. H. Kumano-Go, "Algebras of pseudodifferential operators," *Jour. Fac. Sci. Tokyo*, 17 (1970) 31-50.
91. L. Nirenberg, Lectures on Partial Differential Equations, Proc. Reg. Conf. at Texas Tech, 1972 (A.M.S. Publication.)
92. J. Rauch and M. Taylor, "Exponential decay of solutions to symmetric hyperbolic equations in bounded domains," *Indiana J. Math.* to appear June 1974.