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MSC:

- 35B45 A priori estimates in context of PDEs
- 35N15 $\bar{\partial}$ -Neumann problems and formal complexes in context of PDEs
- 65H10 Numerical computation of solutions to systems of equations
- 47Gxx Integral, integro-differential, and pseudodifferential operators
- 43A80 Analysis on other specific Lie groups

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References:

- [1] Andreotti, *Ann. Scuola Norm. Sup. Pisa* 26 pp 325– (1971)
- [2] Boutet de Monvel, Hypoelliptic operators with double characteristics and related pseudodifferential operators · [Zbl 0294.35020](#)
- [3] Boutet de Monvel, *Invent. Math.* 24 pp 1– (1974)
- [4] *Comm. Pure Appl. Math.* 27 pp 59– (1974)
- [5] Lebesgue spaces of differentiable functions and distributions, *Proc. Symp. Pure Math.*, Vol. 4, Amer. Math. Soc., 1961, pp. 33–49.
- [6] *Theory of Lie Groups*, Princeton Univ. Press, Princeton, N. J., 1946.
- [7] and , *Analyse Harmonique Non-commutative sur Certains Espaces Homogènes*, *Lecture Notes in Math.* #242, Springer-Verlag, Berlin-New York, 1971. · [Zbl 0224.43006](#) · [doi:10.1007/BFb0058946](#)
- [8] Folland, *Trans. Amer. Math. Soc.* 171 pp 83– (1972)
- [9] Folland, *Bull. Amer. Math. Soc.* 79 pp 373– (1973)
- [10] and , *The Neumann Problem for the Cauchy-Riemann Complex*, *Ann. of Math. Studies* #75, Princeton Univ., Press, Princeton, N. J., 1972.
- [11] Folland, *Bull. Amer. Math. Soc.* 80 pp 253– (1974)
- [12] Greenfield, *Ann. Scuola Norm. Sup. Pisa* 22 pp 275– (1968)
- [13] Grushin, *Mat. Sbornik* 84 pp 111– (1971)
- [14] *Math. USSR Sbornik* 13 pp 155– (1971)
- [15] Guillemin, *Proc. Nat. Acad. Sci. USA* 67 pp 271– (1970)
- [16] Hörmander, *Ann. of Math.* 83 pp 129– (1966)
- [17] Hörmander, *Acta Math.* 119 pp 147– (1967)
- [18] Jones, *Amer. J. Math.* 86 pp 441– (1964)
- [19] *Homogeneous Bounded Domains and Siegel Domains*, *Lecture Notes in Math.* #241, Springer-Verlag, Berlin-New York, 1971.
- [20] Kerzman, *Comm. Pure Appl. Math.* 24 pp 301– (1971)
- [21] Knapp, *Ann. of Math.* 93 pp 489– (1971)
- [22] *Boundaries of complex manifolds*, *Proc. Conference on Complex Manifolds*, Minneapolis, 1964, pp. 81–94.
- [23] *Pseudodifferential operators and non-elliptic problems*, *Pseudodifferential Operators* (C. I. M. E., Stresa, 1968), Edizioni Cremonese, Rome, 1969, pp. 157–165.
- [24] Kohn, *Symposia Mathematica* 7 pp 459– (1971)
- [25] Kohn, *Comm. Pure Appl. Math.* 18 pp 443– (1965)
- [26] Kohn, *Ann. of Math.* 81 pp 451– (1965)
- [27] Korányi, *Ann. Scuola Norm. Sup. Pisa* 25 pp 575– (1971)
- [28] Kuranishi, *J. Diff. Geom.* 6 pp 421– (1972)
- [29] *J. Diff. Geom.* 7 pp 97– (1972)

- [30] Lewy, Ann. of Math. 66 pp 155– (1957)
- [31] Lions, Publ. Math. Inst. Hautes Etudes Sci. 19 pp 5– (1964)
- [32] Nirenberg, Uspehi Mat. Nauk
- [33] Nirenberg, Trans. Amer. Math. Soc. 168 pp 337– (1972)
- [34] Radkevich, Mat. Sbornik 79 pp 193– (1969)
- [35] Math. USSR Sbornik 8 pp 181– (1969)
- [36] Rivière, Bull. Amer. Math. Soc. 75 pp 843– (1969)
- [37] Singular Integrals and Differentiability Properties of Functions, Princeton Univ. Press, Princeton, N. J., 1970. · [Zbl 0207.13501](#)
- [38] Stein, Proc. Internat. Congress Math. Nice 1 pp 173– (1970)
- [39] Stein, Bull. Amer. Math. Soc. 79 pp 440– (1973)
- [40] Lectures on Singular Integrals and Pseudo-differential Operators, Princeton Univ., Press, Princeton, N. J., to appear.

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