

Andreotti, Aldo; Nacinovich, Mauro

Analytic convexity. (English) Zbl 0435.35039

Ann. Sc. Norm. Super. Pisa, Cl. Sci., IV. Ser. 7, 287-372 (1980).

For a scan of this review see the [web version](#).

MSC:

35J99 Elliptic equations and elliptic systems

32F99 Geometric convexity in several complex variables

Cited in **10** Documents

Keywords:

analytic convexity; complexes of partial differential operators; Runge approximation theorem; elliptic operators; Cauchy data; suspending complex; groups of analytic cohomology

Full Text: [Numdam](#) [EuDML](#)

References:

- [1] B. Almer , Sur quelques problèmes de la théorie des fonctions analytiques de deux variables complexes , Arkiv für Mat. Astronomy och Fysik , Bd. 17 , no. 7 (1922), pp. 1 - 70 . JFM 48.1229.03 · [Zbl 48.1229.03](#)
- [2] A. Andreotti - H. Grauert , Théorèmes de finitude pour la cohomologie des espaces complexes , Bull. Soc. Math. France , 90 (1962), pp. 193 - 259 . Numdam | MR 150342 | [Zbl 0106.05501](#) · [Zbl 0106.05501](#) · numdam:BSMF_1962__90__193_0 · eudml:87019
- [3] A. Andreotti - M. Nacinovich , Complexes of partial differential operators , Ann. Scuola Norm. Sup. Pisa , 3 (1976), pp. 553 - 621 . Numdam | MR 445557 | [Zbl 0334.58015](#) · [Zbl 0334.58015](#) · numdam:ASNSP_1976_4_3_4_553_0 · eudml:83731
- [4] A. Andreotti - M. Nacinovich , On the envelope of regularity for solutions of homogeneous systems of linear partial differential operators , Ann. Scuola Norm. Sup. Pisa , 6 (1979), pp. 69 - 141 . Numdam | MR 529476 | [Zbl 0394.35017](#) · [Zbl 0394.35017](#) · numdam:ASNSP_1979_4_6_1_69_0 · eudml:83808
- [5] H. Behnke - K. Stein , Konvergente Folgen von Regularitätsbericche , Math. Ann. , 116 (1938), pp. 204 - 216 . [Zbl 0020.37803](#) | JFM 64.0322.03 · [Zbl 0020.37803](#) · doi:10.1007/BF01597355 · eudml:159998
- [6] E. De Giorgi , Solutions analytiques des équations aux dérivées partielles à coefficients constants , Séminaire Goulaouic-Schwartz, Ecole Polytechnique 1971 -72, exposé 29. Numdam | [Zbl 0244.35017](#) · [Zbl 0244.35017](#) · numdam:SEDP_1971-1972_____A29_0 · eudml:111557
- [7] R. Godement , Théorie des faisceaux , Hermann , Paris (1958). MR 102797 · [Zbl 0080.16201](#)
- [8] H. Grauert , On Levi's problem and the imbedding of real analytic manifolds , Ann. of Math. , 68 (1958), pp. 460 - 472 . MR 98847 | [Zbl 0108.07804](#) · [Zbl 0108.07804](#) · doi:10.2307/1970257
- [9] L. Hörmander , Linear Partial Differential Operators , Springer , Berlin (1963). MR 404822 | [Zbl 0108.09301](#) · [Zbl 0108.09301](#)
- [10] L. Hörmander , An Introduction to Complex Analysis in Several Variables , Van Nostrand , Princeton (1966). MR 203075 | [Zbl 0138.06203](#) · [Zbl 0138.06203](#)
- [11] L. Hörmander , On the existence of real analytic solutions of partial differential equations with constant coefficients , Inventiones Math. , 21 (1973), pp. 151 - 182 . MR 336041 | [Zbl 0282.35015](#) · [Zbl 0282.35015](#) · doi:10.1007/BF01390194 · eudml:142225
- [12] H.B. Laufer , On Serre duality and envelopes of holomorphy , Trans. American Math. Soc. , 128 (1967), pp. 414 - 463 . MR 222341 | [Zbl 0166.33903](#) · [Zbl 0166.33903](#) · doi:10.2307/1994466
- [13] L. Piccinini , Nonsurjectivity of the Cauchy-Riemann operator on the space of the analytic functions in R_n , generalization to parabolic operators , Boll. Un. Mat. Ital. , 7 (1973), pp. 12 - 28 . MR 326135 | [Zbl 0264.35003](#) · [Zbl 0264.35003](#)
- [14] J.C. Tougeron , Ideaux de fonctions différentiables, Ergebnisse der Mathematik , Bd. 71, Springer , Berlin - Heidelberg - New York (1972). MR 440598 | [Zbl 0251.58001](#) · [Zbl 0251.58001](#)

This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.