

Berenstein, C. A.; Struppa, D. C.

Complex analysis and convolution equations. (English. Russian original) Zbl 0787.46032

Several complex variables. V: Complex analysis in partial differential equations and mathematical physics, *Encycl. Math. Sci.* 54, 1-108 (1993); translation from *Itogi Nauki Tekh., Ser. Sovrem. Mat., Fundam. Napravleniya* 54, 5-111 (1989).

See the review in [Zbl 0706.46031](#).

For the entire collection see [[Zbl 0782.00028](#)].

MSC:

[46F15](#) Hyperfunctions, analytic functionals

[44A35](#) Convolution as an integral transform

[45E10](#) Integral equations of the convolution type (Abel, Picard, Toeplitz and Wiener-Hopf type)

[47A50](#) Equations and inequalities involving linear operators, with vector unknowns

Cited in **15** Documents

Keywords:

mean periodicity; convolution equations; singularity of solutions; surjectivity of convolution operators; integral representation of solutions; interpolation; integral geometry; Pompeiu problem; algebraic analysis; thetanull values