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**Integrals with homogeneous - difference kernels
on the plane and their applications**

Two-dimensional singular integrals and one- dimensional generalized integrals of Cauchy type are considered. The applications to the Riemann -Hilbert problem for a general first order elliptic system on the plane are given. More exactly it is shown how to reduce the problem to a system of Fredholm integral equation on the domain and a singular integral equation on its boundary with the help of homogeneous difference integrals.

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