

# Existence and set of solutions of the Riemann–Hilbert boundary value problem with a two - side curling at infinity of the order less than 1

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We obtain a solution to the Riemann–Hilbert boundary value problem in the theory of analytic functions on the half-plane in the case that the coefficients of the boundary conditions have discontinuity points of the first kind and boundary value problem has two - side curling at infinity of the order  $\mu < 1$ . We derive formulas for the general solution and investigate the pictures of solvability of these problems.

The talk is based on a joint work with R. Salimov