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## HÖLDER WEIGHT ESTIMATES OF SINGULAR INTEGRALS GENERATED BY GENERALIZED SHIFT OPERATOR

## Abstract

Systematic investigations of multidimentional singular integrals generated by generalized shift operator begin from the papers [1,2], where for these integrals, Privalov type theorems were proved. In the given paper these integrals are studied in Hölder weight spaces  $H^{\gamma}_{\alpha\beta}$  ([3]). Sufficient conditions for  $\alpha, \beta, \gamma$ providing their invariance, were found.

Note that these conditions are terminal in the operators with characteristics satisfying the Hölder condition with index  $\delta > \gamma$  ([4]).