

**DESCRIPTION OF THE RANGES OF SOME  
POTENTIAL-TYPE OPERATORS WITH OSCILLATING  
KERNELS IN THE NON-ELLIPTIC CASE**

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**Abstract**

Within the framework of the method of approximative inverse operators, we construct the inversion of some potential-type operators with the kernels having singularities at the origin and on the unit sphere and oscillating at infinity. The ranges of these potential operators are also described in terms of convergence of approximative inverse operators.

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