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ON FINITE DIMENSIONALITY OF THE KERNEL OF ELLIPTIC OPERATORS GIVEN IN NON-DIVERGENT AND DIVERGENT FORM

Abstract

In the paper, the theorems on finite dimensionality of the kernel of some quasielliptic operators given in divergent and non-divergent forms are proved. The proof is carried out for the operators in the non-divergent form and then by means of Fourier transformation in the sense of distributions. The proof scheme is carried over the case of the operators in divergent form.