Generalizations of hardy-type inequalities in the form of Dubinskii

Nasibullin R. Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Hardy-type inequalities with power and logarithmic singularities are considered. New one-dimensional inequalities and their multidimensional analogs are proved. $\[mathbb{C}$ 2014 Pleiades Publishing, Ltd.

http://dx.doi.org/10.1134/S0001434614010106

Keywords

Dubinskii's inequality, Hardy integral, Hardy-type inequality, locally integrable function