

**ESTIMATES OF HARDY'S CONSTANTS FOR
TUBULAR EXTENSIONS OF SETS AND DOMAINS
WITH FINITE BOUNDARY MOMENTS**

F. G. Avkhadiev and I. K. Shafigullin

We study the behavior of constants in Hardy-type inequalities for tubular extensions of sets. We also obtain new estimates of constants for domains with finite boundary moments.

Key words and phrases: Hardy-type inequalities, distance function, boundary moments of domains.

*Avkhadiev Farit Gabidinovich
Shafigullin Il'nar Kasyjmovich*

Kazan Federal University,
Lobachevskii Institute
of Mathematics and Mechanics,
Kazan, 420008 Russia.
E-mail: favhadiev@ksu.ru,
shafigullin.ik@gmail.com

Received
November 27, 2012

Translated into English:

Siberian Advances in Mathematics, V. 24, N 3, 153–158 (2014).
DOI: 10.3103/S1055134414030018