

ON THE HARDY–CARLEMAN INEQUALITY FOR A NEGATIVE EXPONENT

ZHANG DAOXIANG AND PING YAN

Abstract. In this paper we settle an open problem raised by B. Yang (2005, *Taiwanese Journal of Mathematics* 9, 469–475), by using Hölder’s and Bernoulli’s inequalities. We give a strengthened Hardy–Carleman inequality for a negative exponent.

Mathematics subject classification (2010): 26D15.

Keywords and phrases: Hardy–Carleman-inequality, generalized harmonic average, Hölder’s and Bernoulli’s inequalities.

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