

## SHARP FORM OF MODIFIED WEIGHTED HARDY INEQUALITIES OF TRACE TYPE

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*Abstract.* The extremal function and the best constant for a modified weighted Hardy inequality of trace type are investigated by using the Bliss' argument. Computational difficulties of the self-contained proof are overcome by the techniques taken from a paper by Talenti.

*Mathematics subject classification (2010):* 26D10, 41A44, 46E35, 47B38, 42Axx, 42C99.

*Keywords and phrases:* Hardy inequality, Sobolev trace inequality, extremal function, best constant.

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