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## A GENERALIZED BECKENBACH–DRESHER INEQUALITY AND RELATED RESULTS

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*In honour of Professor Lars–Erik Persson on the occasion of his 65th birthday*

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ABSTRACT. After a short expose of the history of the Beckenbach–Dresher inequality, general result and the Aczél type inequality are given and super(sub)additivity of the function  $G_{p,q,u}(f,g;A,B) := \frac{A^{\frac{u}{p}}(f^p)}{B^{\frac{u-1}{q}}(g^q)}$  is proved. Also, a difference which is inspired by one integral analogue of the Beckenbach–Dresher inequality is considered.

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