## Towards a new bound for a matrix norm

## P. G. POPESCU, E. I. SLUŞANSCHI and V. PREDA

## ABSTRACT.

In this paper are given refinements of several classical inequalities like Jensen, Young and Heinz which are then applied to obtain new improvements of recent results. We also give a new bound for a matrix norm expression, related to a matrix inequality of Bhatia and Davis.

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UNIVERSITY POLITEHNICA OF BUCHAREST COMPUTER SCIENCE AND ENGINEERING DEPARTAMENT SPLAIUL INDEPENDENŢEI 313, 060042 BUCHAREST, ROMANIA *E-mail address*: pgpopescu@yahoo.com

UNIVERSITY POLITEHNICA OF BUCHAREST COMPUTER SCIENCE AND ENGINEERING DEPARTAMENT SPLAIUL INDEPENDENTEI 313, 060042 BUCHAREST, ROMANIA *E-mail address*: emil.slusanschi@cs.pub.ro

MATHEMATICS DEPARTMENT UNIVERSITY OF BUCHAREST ACADEMIEI 14, 010014 BUCHAREST, ROMANIA *E-mail address*: preda@fmi.unibuc.ro

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