

## PARAMETRIZED KLAMKIN'S INEQUALITY AND IMPROVED EULER'S INEQUALITY

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*Abstract.* In this paper, the authors present a generalization of Klamkin's inequality by introducing a parameter, which relaxes the conditions of Klamkin's inequality. As applications, some improved versions of Euler's inequality are obtained.

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*Key words and phrases:* Klamkin's inequality; Euler's inequality; Bändilă's inequality; parameter; sharpening; generalization.

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