

## IMPROVEMENT OF SOME ESTIMATIONS RELATED TO THE REMAINDER IN GENERALIZED TAYLOR'S FORMULA

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*Abstract.* We prove an inequality of Grüss type and using it we strictly improve some estimations of the remainder in generalized Taylor's formula obtained via harmonic sequence of polynomials.

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*Key words and phrases:* Taylor's expansion, harmonic polynomials, Grüss type inequalities.

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