

## EULER HARMONIC IDENTITIES AND MOMENTS OF REAL BOREL MEASURES

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*Abstract.* Generalizations of Euler identities involving  $\mu$ -harmonic sequences of functions and moments of real Borel measure  $\mu$  are established. Some Ostrowski and Euler-Grüss type inequalities for functions of various classes are proved.

*Mathematics subject classification (2000):* 28A25, 26D15, 26D20, 26D99.

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