

ESTIMATES OF THE INTEGRAL REMAINDERS IN SEVERAL NUMERICAL INTEGRAL FORMULAS USING THE HENSTOCK–KURZWEIL INTEGRAL

XIAOFENG DING, GUOJU YE AND WEI-CHI YANG

Abstract. Some integral remainders of Trapezoidal, Corrective Trapezoidal and Simpson formulas are given. The Hölder inequality and Henstock-Kurzweil integral are used to estimate the remainders in terms of Alexiewicz and Lebesgue p -norms.

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