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Unified proofs of the error estimates for the midpoint, trapezoidal, and Simpson's rules.

Math. Mag. 86, No. 4, 261-264 (2013); correction ibid. 87, No. 3, 221 (2014).

Summary: Unified, elementary proofs are given for the error estimates associated with the midpoint rule, the trapezoidal rule, and Simpson's rule.

Classification: N25 N45

Keywords: error estimates; midpoint rule; trapezoidal rule; Simpson's rule

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