Copyright (C) 2018, 2012, 2016 by Pearson Education Inc. All Rights Reserved, please visit www.pearsoned.com/permissions/.

CP.5.4.1.b, Sauer3

Use Adaptive Trapezoid Quadrature to approximate the definite integral within $0.5 \cdot 10^{-8}$. Report the number of subintervals used

 $\int_0^1 \frac{x^3}{x^2 + 1} \, dx.$