Chapter 7 - Numerical Integration -Spring 2021 - Part 2

Hi Autar, when you submit this form, the owner will be able to see your name and email address.

1. Single segment trapezoidal rule integration true error is given by Et=-(b-a)^3/12*f''(c). The point c is
$\bigcirc (a+b)/2$
between a and b, both included
o same as a
o same as b
2. To estimate an integral of a function, a student is using a multiple-segment trapezoidal rule with 32 segments. The student then uses 16 segments for the same estimation. The true error in the 16 segment-rule estimate would be of the true error for the 32-segment rule estimate.
exactly quarter
approximately quarter
approximately quarter
approximately quarter approximated quadruple

approximately double

- exactly half
- approximately half
- 3. The trapezoidal rule can be written as (Check all that apply)
 - $\frac{b-a}{2}(f(a) + f(b))$
 - (b-a)f(a)

Submit

This content is created by the owner of the form. The data you submit will be sent to the form owner. Microsoft is not responsible for the privacy or security practices of its customers, including those of this form owner. Never give out your password.

Powered by Microsoft Forms | Privacy and cookies | Terms of use