$f(x) = H + e$

$< e <$

$$e(x) = \frac{(x - x_0)^2 (x - x_1)^2}{4!} f^{(4)}(\xi)$$

$f \in C^4[a, b]$

$a < \xi < b$

$$e(x) = \frac{(x-1)^2 (x-3)^2}{4!} \cdot \frac{2}{\xi^3}$$

SAY $a = 1$, $b = 3$

$$e(1.5) = \frac{(1.5-1)^2 (1.5-3)^2}{24} \cdot \frac{2}{\xi^3}$$

$$e_a = \alpha \frac{1}{\xi^3}$$

$f(1.5) \neq H(1.5) + e_a(1.5)$

$0.6082 \neq 0.64636$

$f(1.5) = H(1.5) + e_b(1.5)$

$f(1.5) = H(1.5) + e(1.5)$

ANNIE
21 AUG?
2.20 PM

LCM H
22 Aug
2.00 PM