•

$$\int uadh: Prawagaank:$$

$$\int f(x) dx \approx C \cdot f(\frac{\alpha t^2}{2})$$

$$f = x = 1 : \int f(x) dx = C \cdot f(\frac{\alpha t^2}{2})$$

$$\int 1 \cdot dx = (ba) = C$$

$$f = x^2 = 1: , f = x^2 = x$$

$$\int f(x) dx \propto C \cdot f(a) + C \cdot f(a)$$

$$J = (: \int f(x) dx = G f(a) + C_2 \cdot f(b)$$

$$(b-a) = C_1 + C_2 \qquad (x) \qquad sime trifa G = C_2$$

$$F = X : \int x \cdot dx = G \cdot a + C_2 \cdot b \qquad \frac{1}{2}(b^2 - a^2) = a \cdot c_1 + G \cdot C_2 \qquad (x *)$$

Tuesday, April 06, 2021

5:09 PM
5:09 PM
Snupson:
a fexidx ~ C₁f(a) + c₂ f(
$$\frac{\alpha + \beta}{2}$$
) + c₃ f(b)
= za f(x)=1, f(x)=x, f(x)=x^2

$$f(x) = 1 : (b-a) = a + c_2 + c_3$$

$$f(x) = x : \frac{1}{2}(b^2 - a^2) = a \cdot a + c_2 \cdot \frac{a + b}{2} + c_3 \cdot b$$

$$f(x) = x^2 : \frac{1}{3}(b^3 - a^3) = a^2 \cdot c_1 + (\frac{a + b}{2})^2 \cdot c_2 + b^2 c_3$$

$$(a = c_3 \quad (snuch rra) \quad c_2 = \frac{a}{3}(b-a)$$

$$(a = c_3 \quad (snuch rra) \quad c_2 = \frac{a}{3}(b-a)$$

$$\frac{PRavuqaouiv:}{2} = \int_{0}^{4} (f)$$

$$\int_{0}^{4} f(x) dx \approx h \cdot \sum_{i=1}^{2} f_{i-1/2} = \int_{0}^{4} (f)$$

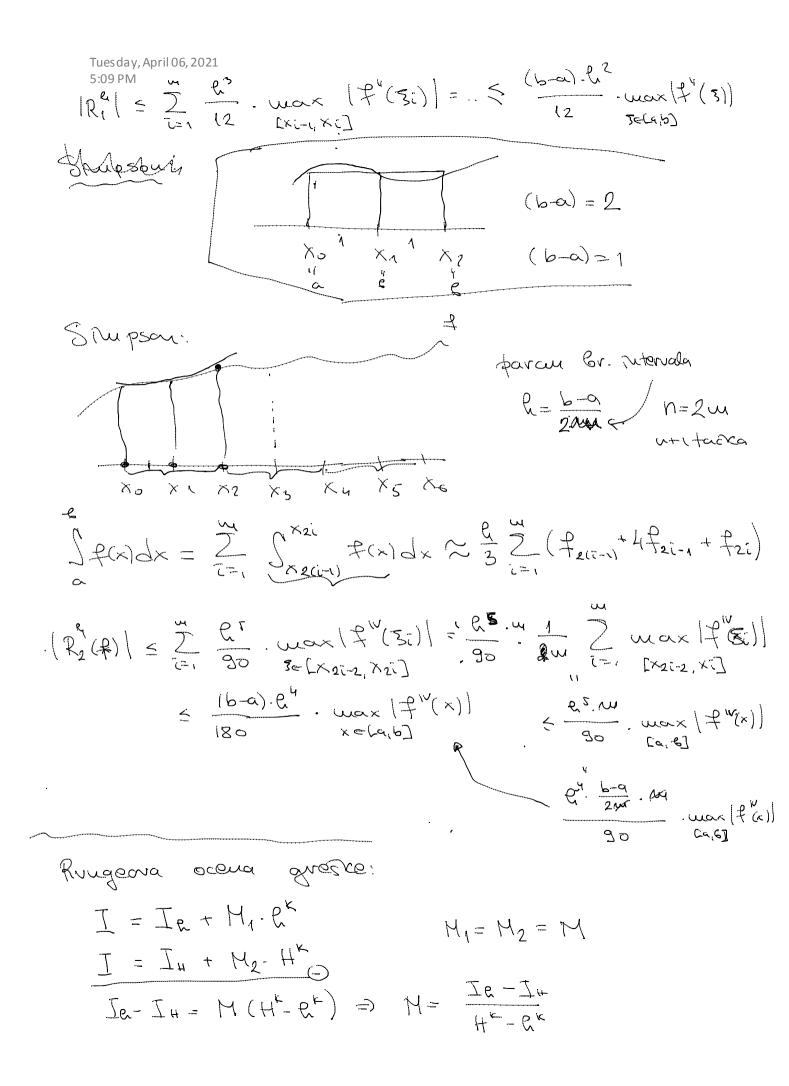
$$\frac{P(x) dx \approx h \cdot \sum_{i=1}^{2} f_{i-1/2} = \int_{0}^{4} (f)$$

$$\frac{P(x) dx \approx h \cdot \sum_{i=1}^{2} \frac{h^{2}}{24} \cdot \max(f''(s_{i})) = \frac{m \cdot h^{2}}{2u} \cdot \frac{1}{2u} \sum_{i=1}^{2} \max(f''(s_{i}))$$

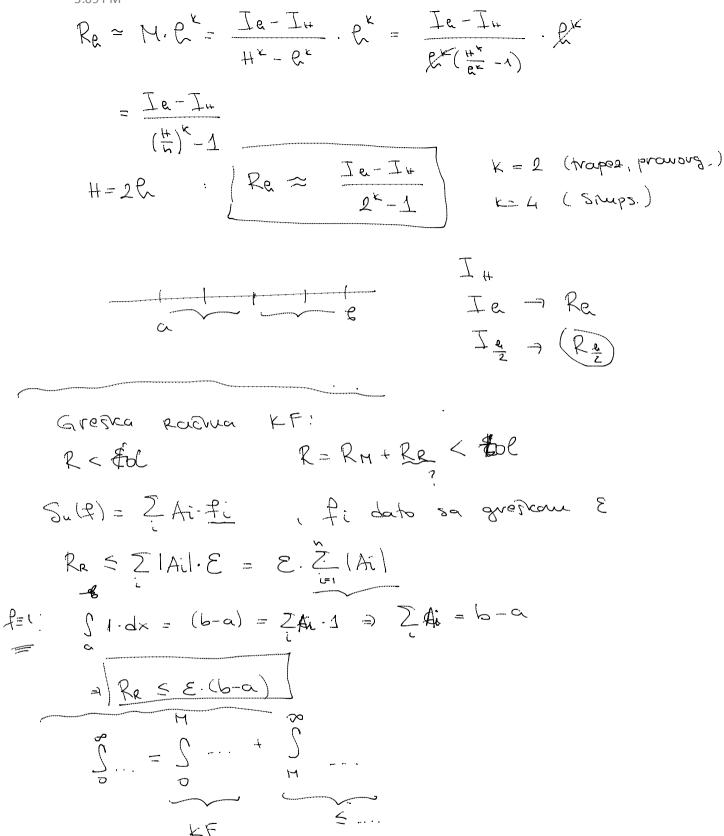
$$\frac{w \cdot h \cdot (b \cdot a)}{24}$$

$$\frac{w \cdot h^{2}}{24} \cdot \max(f''(s_{i})) = \frac{(b - a) \cdot h^{2}}{24} \cdot \max(f''(s_{i}))$$

$$\frac{f_{rape2}}{\int_{a}^{a} f(x) dx} = \sum_{i=1}^{m} \frac{f_{2}(f_{i-1} + f_{i})}{2(f_{i-1} + f_{i})} = \frac{g_{2}(f_{2} + f_{1} + f_{1} + f_{2} + f_{2} + f_{2} + f_{3} + \dots + f_{m})}{2}$$
$$= \frac{g_{2}(f_{0} + 2 \cdot \sum_{i=1}^{m} f_{i} + f_{m})}{2} = \frac{g_{1}(f_{0})}{2}$$



Tuesday, April 06, 2021 5:09 PM



Gausare KF
Tuesday, April 00, 2021
SOU PM
$$Su (P) = \frac{b-a}{2} \sum_{i=1}^{n} A_i \cdot f(x_i)$$

$$A_i = ? \quad x_i = ?$$
(w)
(w) $\rightarrow lu$ reported?
$$I(P_m) = \int_{0}^{n} p(x_i) \cdot P_m(x_i) dx = \frac{b-a}{2} \sum_{i=1}^{n} A_i \cdot P_m(x_i) = S_n(P_m)$$

$$M = 2u - 1$$

$$\{x^{L}\} = \int_{0}^{n} p(x_i) \cdot A_i d_i x = \frac{b-a}{2} \sum_{i=1}^{n} A_i \cdot P_m(x_i) = S_n(P_m)$$

$$M = 2u - 1$$

$$\{x^{L}\} = \int_{0}^{n} p(x_i) \cdot A_i d_i x = \frac{b-a}{2} \sum_{i=1}^{n} A_i \cdot X_i$$
(For $= 2a \cdot A_i$) $p_0 + p_0 + p_0$

New Section 5 Page 5