

Trapecio Integrate
$$\int_{a}^{b} f(x) dx \approx \frac{h}{2} (f(x_0) + f(x_n)) + h \sum_{j=1}^{n-1} f(x_j)$$

$$f(x_0)$$

$$f(x_{i+1})$$

$$x_i$$

$$f(x_i) = \frac{f(x_{i+1}) + f(x_i)}{2}$$

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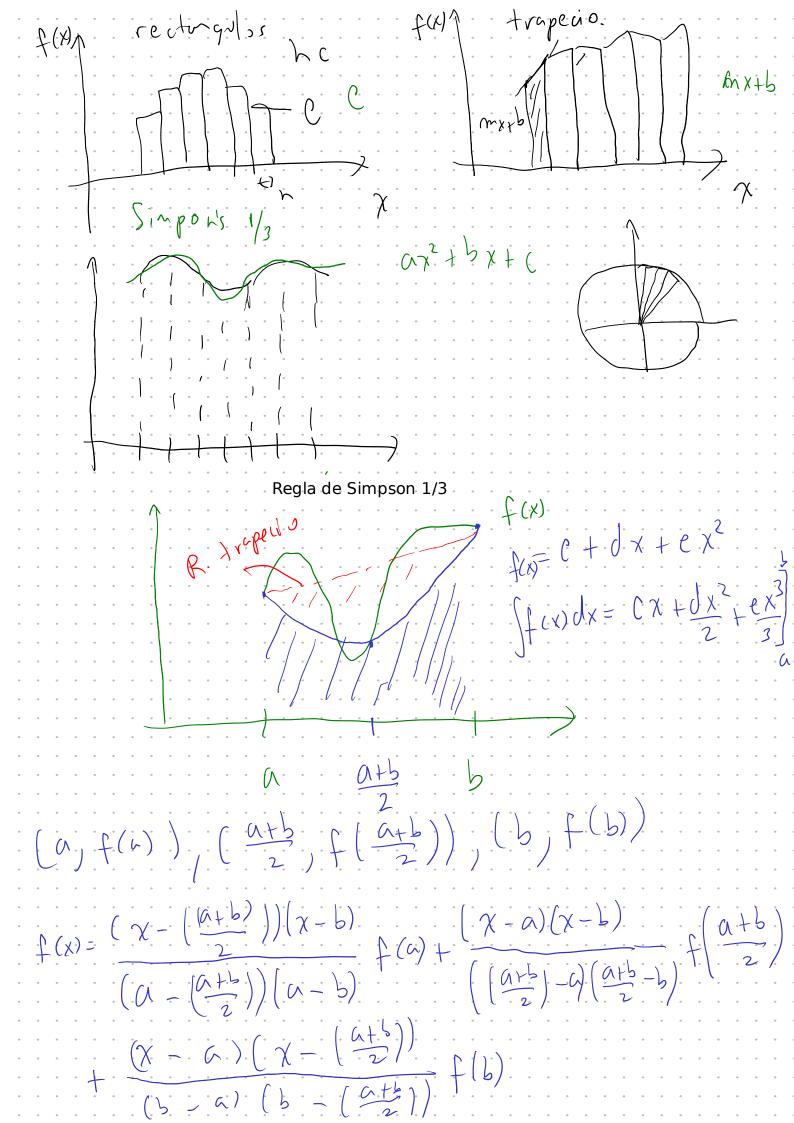
$$f(x_i) = \frac{f(x_{i+1}) + f(x_{i+1})}{2}$$

$$A_{T} = \sum_{i=0}^{n-1} h_{X} \left(\frac{f(X_{i}) + f(X_{i+1})}{2} \right)$$

$$= h \times \left[\sum_{i=0}^{h-1} f(x_i) + \sum_{i=0}^{h-1} f(x_{i+1}) \right]$$

$$= \frac{1}{2} \left[\int_{z=0}^{z=0} f(x_0) + \int_{z=1}^{z=0} f(x_1) + \int_{z=0}^{z=0} f(x_1) + \int_{z=0}$$

 $\vec{E} = \vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y)$ $= -\vec{\partial} V \times (x,y) + \vec{$



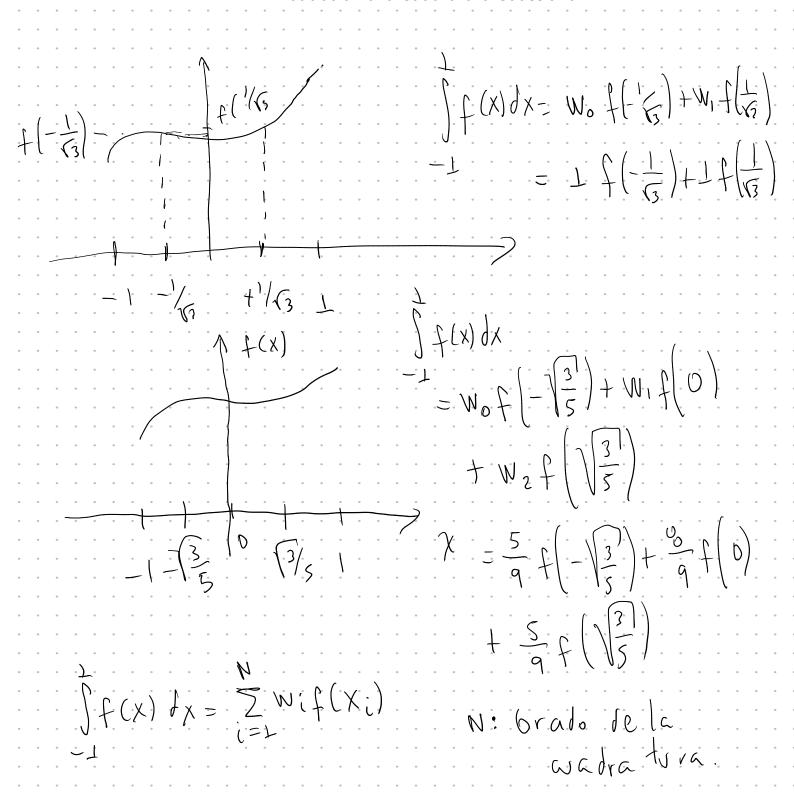
$$f(x) = c + d x + e x^{2}$$

$$\int_{c}^{c} f(x) dx = cx + \frac{dx^{2}}{2} + \frac{ex^{3}}{3} \int_{c}^{c} a$$

$$\int_{c}^{c} f(x) dx = \frac{cx + dx^{2}}{3} + \frac{ex^{3}}{3} \int_{c}^{c} a$$

$$\int_{c}^{c} f(x) dx = \frac{cx + dx^{2}}{3} + \frac{ex^{3}}{3} \int_{c}^{c} f(x) dx = \frac{h}{3} \left[f(x) + 4 f(x_{10}) + f($$

Introduccion a la Cuadratura Gaussiana



References http://mathforcollege.com/nm/mws/gen/07int/mws_gen_int_txt_simpson13.pdf