$$\int_{\alpha}^{b} f(x)dx = 0$$

$$y = f(x), |et y_{1}, y_{2}, y_{3}, \dots, y_{n}|_{be \ value, \ of \ f(x) \ ot}$$

$$x_{1}/x_{2}, x_{3}, \dots, x_{n}|_{x_{n}}$$

$$x_{0} = 0 \quad x_{n} = b = x_{0} + n, |et t = \frac{x_{1}x_{0}}{h}, x_{0} = ht \text{ so } x_{0} = ht$$

$$when t = \frac{x_{0}}{h} = 0 \qquad dx = h de$$

$$I = \int_{a}^{b} \int_{a}^{x} |dx| = \int_{x_{0}}^{x_{0}} \int_{a}^{x_{0}} |dx| = h \int_{a}^{b} \int_{a}^{b} |dx| = h \int$$

 $=7\int_{a}^{b} f(x) dx = (6-a) \frac{f(a) + f(b)}{2} - \frac{1}{12}(b-a)^{3} f'''$

trapervid

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