si dice sveliffes di Mac Laurin di ordine n con zesto di Lagrange. Esempio-Caleolare lo stilutto di Mac Laurin de ordine 3 con il resto d'Lagrange oblea funtione sen(x).

do Willippo è:  

$$f(x) = \sum_{k=0}^{\infty} \frac{f^{k}(0)}{k!} \cdot x^{k} + \frac{f^{(n+1)}(c)}{(n+1)!} \cdot x^{n+1} =$$

$$= \frac{f^{(0)}(0)}{0!} + \frac{f^{(1)}(0)}{1!} \cdot x^{1} + \frac{f^{(1)}(0)}{2!} \cdot x^{2} + \frac{f^{(3)}(0)}{3!} + \frac{f^{(4)}(c)}{4!} \cdot x^{4}$$

$$R_{3, x_{0}}(x)$$

$$f^{(1)}(0) = f(0) = sun(0) = 0;$$

$$f^{(1)}(x) = cos(x) = s f^{(1)}(0) = cos(0) = 1;$$

$$f^{(2)}(x) = -sun(x) = s f^{(2)}(0) = -sun(0) = 0;$$

$$f^{(3)}(x) = -cos(x) = s f^{(3)}(0) = -cos(0) = -1;$$

$$f^{(3)}(x) = sun(x) = s f^{(3)}(0) = -cos(0) = -1;$$

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$$f^{(3)}(x$$