



 $\int (\chi_{i+1}) \int_{i+1}^{i+3} \mathcal{L}_{i+1}(\chi) = \int_{i+2}^{i} (\chi_{i+1}) \lambda \left( \frac{q}{q} \right)$   $\int_{i+2}^{i} \chi_{i+3} = \int_{i+2}^{i} (\chi_{i+2}) \lambda \left( \frac{q}{q} \right) \left( \frac{q}{q} \right)$   $\int_{i+2}^{i} (\chi_{i+2}) \int_{i+2}^{i} (\chi_{i+2}) \lambda \left( \frac{q}{q} \right) \left( \frac{q}{q} \right)$  $\int_{-1}^{3} t^{3} + 4t^{2} + 3t = \left( \frac{t^{4}}{4} - \frac{4t^{3}}{4} + 3t^{2} \right)$  $f(x_{i+2}) \int \int_{i+2} (x) = f(x_{i+2}) h\left(\frac{q}{q}\right)$  $f(x_{i+3}) \int_{a+3}^{a} \int_{a+3}^{b} (x_{i+3}) h \int_{a}^{b} t(t-1)(t-2) dt \Rightarrow Si expandinos.$  $\int_{0}^{3} t^{3} - 3t^{2} + 2t dt = \left(\frac{t^{4}}{4} - t^{3} + t^{2}\right) = \frac{9}{4}$  $f(x)Jx \approx \frac{f(x_i)h(a)+f(x_i+1)h(a)+f(x_i+2)h(a)+f(x_i+3)h}{2}$  $\approx \frac{3h}{8} \left( f(x_i) + 3f(x_{i+1}) + 3f(x_{i+2}) + f(x_{i+3}) \right)$