

Polinomio interpolador de order k: Combio de variable PE(K)= = fail Li(x), [tune, tun, tun, tun, tunn] $L_{c}(x) = \prod_{j=0}^{K} \frac{x - x_{j}}{x_{i} - x_{j}} \left[-2h_{j}, -h_{j}, 0, h_{j}, 2h_{j} \right]$ 1) métode Adoms - Bashforth de 3 pasos. Punlos = (fn, tn), (fn-1, tn-1) (fn-2, tn-2) n=3 (tn, tn+, tn-2) j=0,1,2 Lolb) = t-tn-1. t-tn-2 -> P1=fn. Lolb) L1(6) = t-tn - t-tn-2 -> P2=fn-1 h1(6) > £21t) = t-tn t-tn-1 -9 P3=fn-2 €21t) Py = t-(-b).t-(-2b) fn P2 = - E.(E-1-2h) fn-1/ P3 = 6.1t-1-6) fn-2/ 3 Método Alems Bishforthad 4 pasos: Puntos (6n, tur-1, tur-2)

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Pn = t. (6-(-h)) fn+1 h. (h-(-h)) P2 = (E-h) - (E-(-h)) fr -4-(-1-41) P3 = t. (t-h) fn-1 (-h-(h)) (-h) a método Adams - Moulton 1 paros Purhose (En+1, En, En-1, En-2) n=4 6=0,1,2,3 1=0,1,2/3 t-ln-z do(t) = b - tn t-Ln-1 tn+1 - tn-1 their - th t - En-1 d1(6) = 6 - tuti tn - En-7 th-th-1 th-th-1 t-th t-tn-2 22(E) = E - Enti tn-1-tn-2 tn-1 - En En-1 - En+1 23 LE) = E - tn+1 tn-2-tn t n-2 - tn+1 Pa: t.(t-(-h).(t-(-2h))
h.(h-(-2h)) P2 - (t-h).(t-(-h)).(t-1-2h)) fn P3:(t-h).(t).(t-l-2h)) (-h-h)-(-h)-(-h-(-2h)) PA: (t-h). t. (t-1-h)) fn-2
(-2h-h). (-2h). (-2h-(-h))