

A(40-1,40) = -4 sm(tc-16) h + 2h [sm (tc-1) fin(tc-1) fic(tc-0] + 2h [sm(ti) Yi, (ti) Piti)] A(ti-1, ti) = -1 8m (ti-1/2) = 9i-1i = 9isi-1 (C) bi = <f, 4;> - A(4, 4;) $\langle f, f \rangle = \int_0^{\pi} f(x) f(x) dx = \int_{t_i}^{t_i} f(t) f(t) dt + \int_{t_i}^{t_{i+1}} f(t) f(t) dt$ (+, 4;) = 2hsm (2+i) A(4,40) = 50 sm (A)400 4 (4) dt + 50 2 sm (4)400 4; (A) dt

