

y = RK4 (f1, f2, f3, 410, M20, M390, 6, R) M1(11=110) 112(1)=420j M3(11-430) t = a: R: b n = length (t)-1; % acum som inclue revolvares propriu zira. for i = 1: n K11 = & * febal (f 1, t(i), u1(j), u2(i), u3(i)); K21= K* feval (f2, t(i), u1(i), u2(i), u3(i)); (31 = R & Leval (f3, t(i), 11(i), 12(i), 12(i), 13(i)); K + = L& leval (f 1 t(i)+ k/2, gl 1(i) + K+1/2, u2(i)+K21/2... 43(i) + K31/2); (22 = R* feval(f2, t7 i)+R/4, w1(i)+K11/2, w2(i)+K21/2, w3(i)+K39/2) K32= R & feval(+3, t(i)+k/2, uni)+K11/2, uzii)+ K21/2, uxi)+K31/2); k 13 = R & feval (f1, + (i1+ R/2, 41(i)+K12/2, 42(1)+K22/2,43(i)+K32/2); K=3= Re feval (fz, + (i)+h/2, u1(i)+K12/2, u2(i)+K22/2, u3(i)+K32/2) 133 = 1 + feval (f3, t(i)+K12, u1(i)+K12/2, M2(i)+K22/2, 43(i)+K32/2); K14= R K fewal (f1, t(i) + R, M1(i) + K13, M2(i) + K23, M3(i) + K33); K24= R& faval (fet (i)+R, un(i)+K13, m2(i)+K23, m3(i)+K33); K34= R & feval (f3, tij+ l, ui(i)+K13, u2(i)+K23, 43(i)+K33);