

Finite $y'' = \frac{y_{i+1} + y_{i-1} - 2y_i}{h^2}$, $y = y_i$, siff. Replace y'', y with these values. Day: MTWTFS Root finding? Bisection sot (x(a)(b) Epz 100Er, $x = \frac{a+b}{b}$ st f(a)xf(b) < 0Ex= 1x-x1 a=abs af(b) - bf(a) Parpera. f(a) f(b) <0 anv. =1 f(b) - f(a) Herative Rearrange In. s.t f(a)<1, F'(b)<1 f(a)f(b) < 0Mr = ref(Xx) take so initially acx66 NE = XK-1 - f(XK-1) f(a) +(b) < 0 Newton initially ac not b converger = 21) with multipliated P, xk= xk-1 - Pf(xk-1 THE THE + ME-15 (MK) - TES (MK) Seconts enver: 1.68) 2/1c+1 = 2/2 - (2/c-2/x-1)f(2/6) f(nk)-f(nk-1)



