

Central difference nethod can't be used for first & last element of the vector. b) (V) For first element, tact forward difference method is used & for last element, backward difference method is Q. Jb) Function is discontinuous at t=0. dy = y(-2t+(1/t)) : dy 1 = dt (-2t + (1/t)). . Integrating on both the sides (dy = ((-2++1/t)) -dtlogy tc = -t2+logt. By initial value condition at y t=0, y=1. 4. ec = et. 1 11. ec = 0-· ec = 0 1 0 25 C = log 0 -les 0 is andefined er we can't calculate value of constant Also, when we use function asolve in mot lab, it shows that the eg' has no solution.