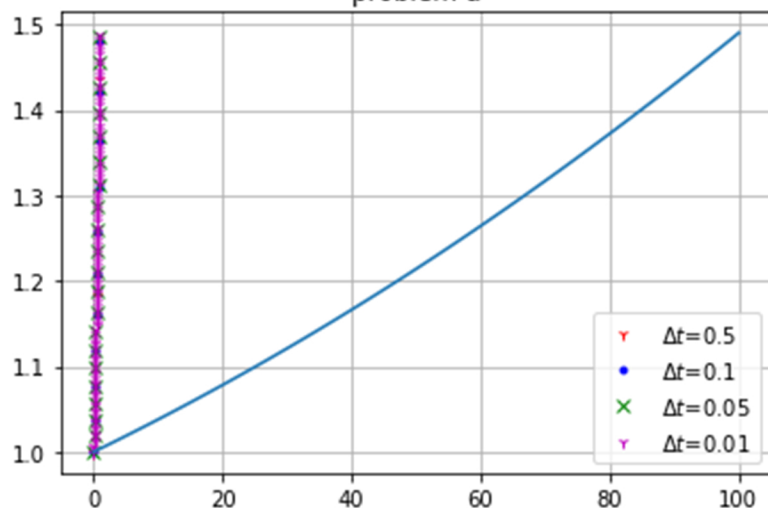


problem a

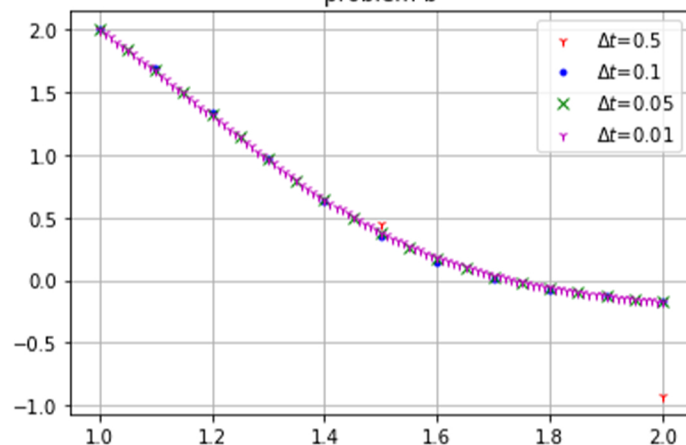


$$y' = e^{t-y}$$

$$0 \leq t \leq 1$$

$$y(t=0) = 1$$

problem b

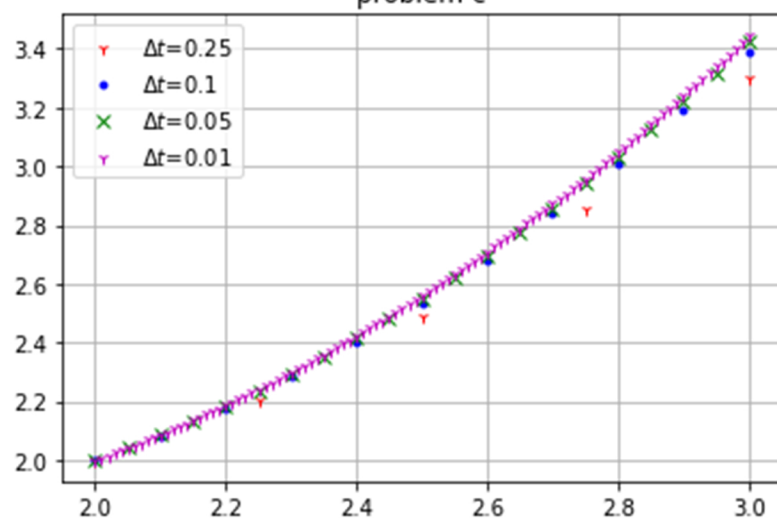


$$y' = t^2 (\sin(2t) - 2ty)$$

$$1 \leq t \leq 2$$

$$y(t=1) = 2$$

problem c

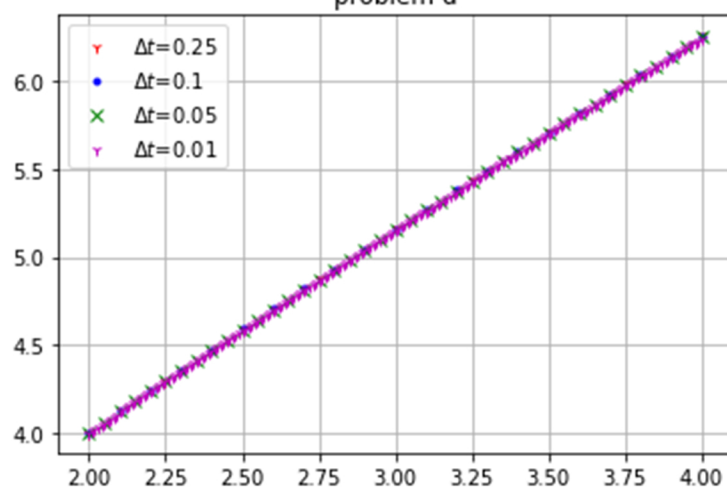


$$y' = -y + ty^{1/2}$$

$$2 \leq t \leq 3$$

$$y(t=2) = 2$$

problem d



$$y' = \frac{ty + y}{ty + t}$$

$$2 \leq t \leq 4$$

$$y(t=2) = 4$$