$$|357 b.|$$

$$3(b) \frac{dy}{dt} = t^{2}y \Rightarrow \frac{dy}{y} = t^{2}dt \Rightarrow y = e^{\frac{1}{3}t^{3}} + t$$

$$|-(y)| = |-(CD)| = |-(CD)| = |-(SD)| =$$

页



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Pzhs 6-2

1 (b) w=w=+ h[t,2w+(t+h)2(w+h[t,2w])]=|+=[0+[[1+0]]=/.00]8|

w=w, + 1 [tizw, +(tith) 24, th[tizw,]) = 1.04767

wz=w2+12[t2w2+(t2+h)2cw2+h[t2w2])]=/15868

w= w3+ h [t3 w3+(t3+h2)(w3+h [t3 w3))] = 1-46646

e= le = - w4 = e07084

4(b) f(t, w)=t2w fct, w)=2wt+t2(t2w)

(with =wi +hf(fi, wi) + \frac{h^2}{2}f'(fi, wi) = [1+ht^2+\frac{h^2}{2}12t+t4)]wi

wi=[1+hto+ 1/2 (2to+ to+)] wo= | w=[1+hti+1/2ti+1/4)] w, =/.03137

w3=[1+ht2+h2/2t2+t4]]w2=1-23823

W4-[Itht3+2(2t3+t3)] W3=148264

e= | e= - w4 | - 0.087028