

An hui University

:.原式通输引:arcsincle的-C.



页









(2). 24=PCM, y 2.解1111. 至4=P(X), 1.49=P(X). 生生PLY1, Y"=P架 ·原式可化为 LI+x 7 P= 2XP ⇒ 智= 兴 八原式可以为 P.S. = 至y2 => dP = d(X+1) => Pdp==3y2dy => P2= y3+G1 => lnp=ln(x71)tlnLi ::*\u01=y'(0]=| :. L_=0 => P= 6(X71) i dy = y2 is y'= 4(x+1) $\Rightarrow y^{-\frac{3}{2}}dy=dx$: YW=3 :4=3 1 y= 3(x71) => -24 = X+62 i. y= x3+3x+L2 : YW= 1 1. 62=-2 1. y-1=-1X+1

:'Y101=1

:、微阶程特解为Y=X³+3X+1.

小微纺程特解的Y= TI-XX

:) 2= y+C, 0

 $\frac{da}{da} = dx \Rightarrow \ln |s| ha |= \chi + \ln L_2$

=7 SIND= GEX

=> 2=arcsin(Lex) @

联起回出: YtC=Oresin(Coex).

: YUI=0, LLOI= 2, 代入O式得 4=*孕

联起试明 Cz=竖 : Yux)=arcsin 是 - 4.

