5.4.3(1) 先前 (x mx-) dx
13 x=t, : dx= zt, dt, la= = 2 tot= 2 tot= dt
It = seck : dt = windk, As = 2 Seck tonk wish ak
: Jxxx dx = z arcsecvx +C
:. Ans = 2arcsec /7 1 = 2 (= -0) = (()
£4.3(2). So as dx = So ax dx + Sta ax dx
接下来考查了公众的教教性
Dd=1. J' π dx= 2/ + α
@2+1, 5. x dx= 5. 7-2 dx= 1-2 - 2
· 对 de R. Stan of dx 发起。
5.4.4. (1) Ans= (4 (x+2)(x-1) dx=3)+ (x-1 - x+2) dx
- Aus = 3 [(x-1 -x+2) dx + 3 [(x-1-x+2) dx.
= \frac{1}{3} ln \frac{\pi-1}{\pi+2} \right \frac{1}{4} + \frac{1}{3} ln \frac{\pi-1}{\pi+2} \right \frac{1}{4}
$=\frac{1}{3}\left(-\infty-h2\right)$
: 原积分发料
5-4.4.12) As= J-1 x-3 dx + Jo x3 dx
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