$$\iint\limits_{D} f(x, y) d\theta = \iint\limits_{D} f(x, y) dxdy$$

134].
$$\lim_{r\to 0} \frac{1}{\pi t^2} \iint_{\mathcal{D}} e^{x^2-y^2} \operatorname{cosl}(x+y) \operatorname{chochy} = 1$$
.

$$\begin{array}{ll}
\text{(13, 11)} & \in \mathbb{R} \\
\text{(13, 11)} & \in \mathbb{R} \\
\text{(23, 11)} & \in \mathbb{R} \\
\text{(24, 11)} & \in \mathbb{R} \\
\text{(25, 11)} &$$

$$I = \iint_{D} (x^2 + x^3y^4) dxdy = 4 \iint_{D} x^2 dxdy$$

$$D: |\chi|+|\chi| \leq 1.$$
 $D_1: D_{10} = 0.$ $\frac{1}{2}$ $\frac{1}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

$$f(x, y) = x^2 + x^3y^4$$

$$f(x,y) = x^2 + xy^4$$

$$f(x,y) = x^2 + x^2(-y)^4 = f(x,y)^2$$

$$1 = 2 \iint (x^2 + x^2 y^4) dx dy.$$

$$D_{\perp} \neq f(y) = (x^2 + x^2 y^4) dx dy.$$

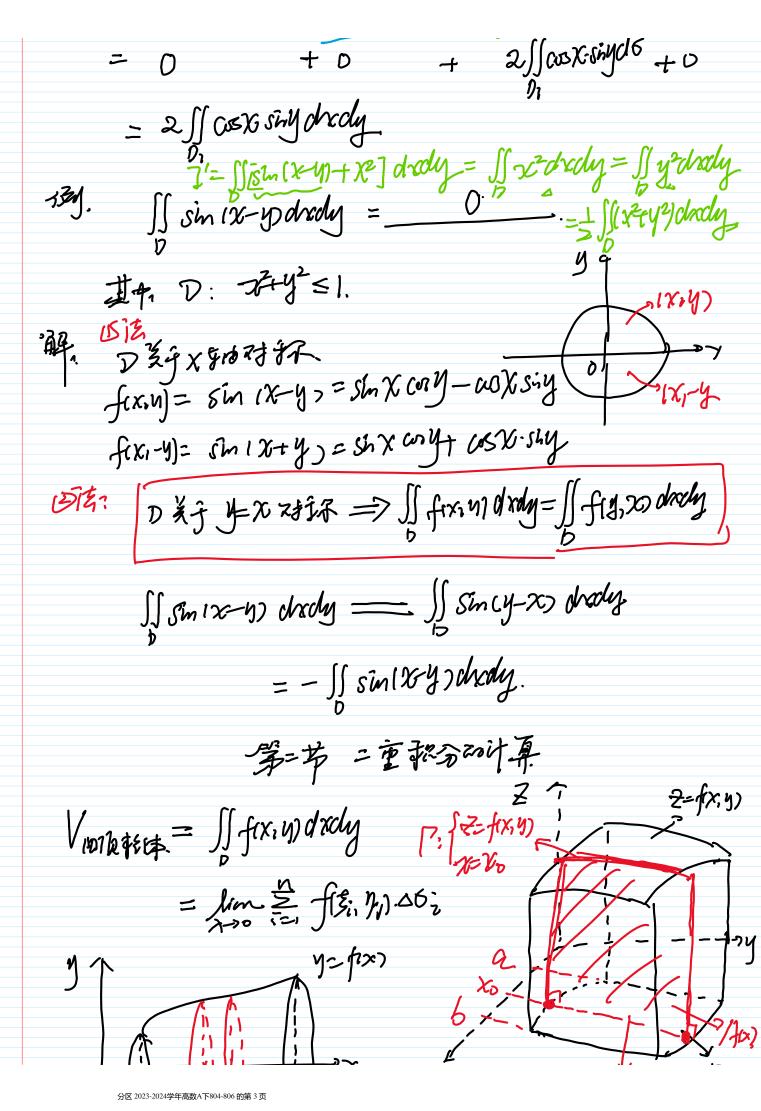
$$D_{\perp} \neq f(y) = (x^2 + x^2 y^4) dx dy.$$

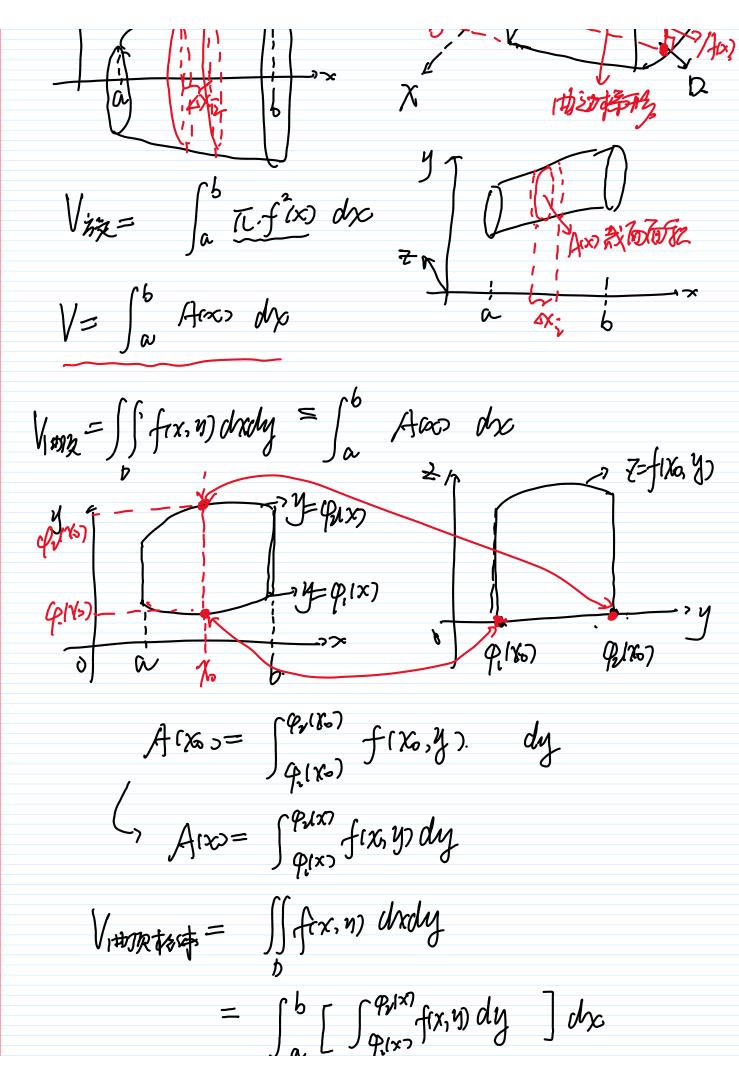
$$I = 2 \iint x^2 dx dy + 2 \iint x^2 x^4 dx dy.$$

$$I = 2 \iint x^2 dx dy + 2 \cdot 0 = 4 \iint x^2 dx dy.$$

$$I = \iint x^2 (x^2 y^4) dx dy.$$

$$I = \iint (x^2 y^4) dx dy.$$





八直部的教育的计算

这个型区域

as x 5b. 9(x) 54 6 9,xx)

y y qux)

一型区域。

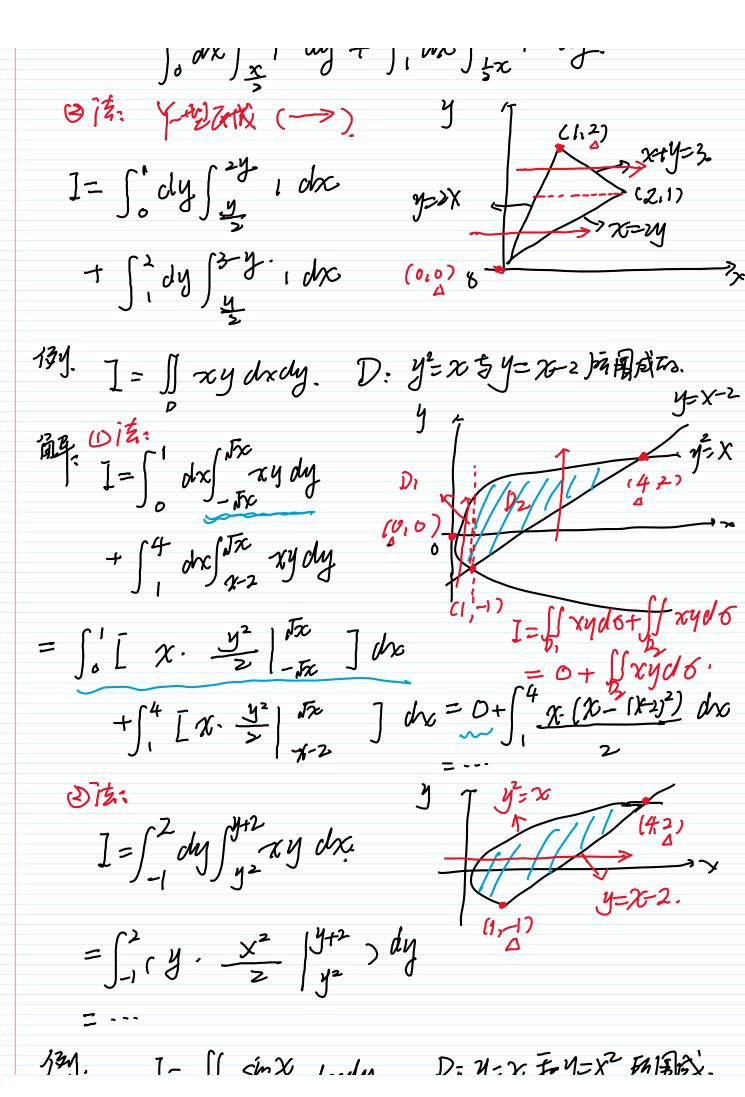
D.C. YSd . 7/19/57/57/9.

d -- x= 1/2/19 = x=1/2/19 c -- x= 1/2/19 > x=1/2/19

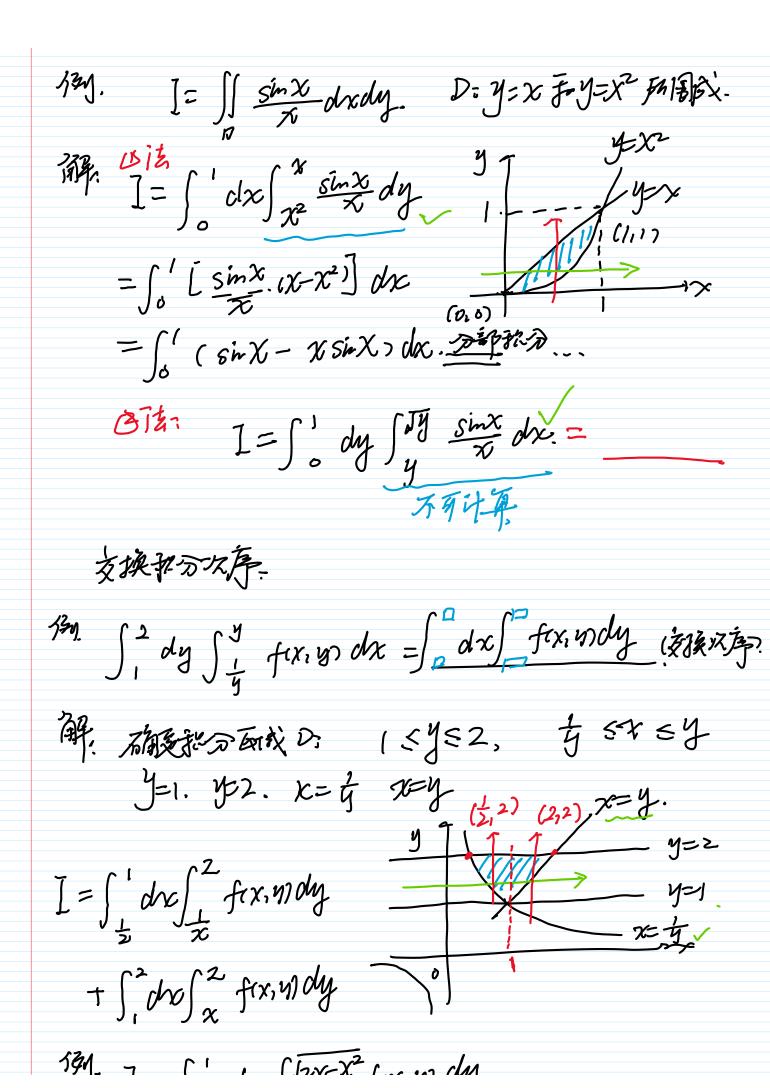
温雅;

(. 7. $X - \frac{1}{2} = \frac{1}$

 $\iint_{P} f(x, \eta) dx dy = \int_{Q} dx \int_{Q/X}^{Q/X} f(x, \eta) dy \cdot (4xy | y | x).$ (2) Y- in B+th: $(x, y) dx dy = \int_{Q} dy \int_{Q/Q} f(x, \eta) dx \cdot (4xx | y | x).$ $\iint_{P} f(x, \eta) dx dy = \int_{Q} dy \int_{Q/Q} f(x, \eta) dx \cdot (4xx | x | y | x).$ 7到- D· y=>X. X=>y fo X+y=3 所图成码 $\frac{1}{12} = \iint_{0} dxdy$ $\frac{1}{12} = \iint_{0} dxdy$ $= \int_{0}^{2} dx \int_{\varphi_{1}(x)}^{\varphi_{2}(x)} i dy$ $= \int_{0}^{2} dx \int_{\varphi_{2}(x)}^{\varphi_{2}(x)} i dx$ $= \int_{0}^{2} dx \int_{\varphi_$ $I = \int_0^2 \left[\mathcal{P}_2(x) - \mathcal{P}_1(x) \right] dx = \int_0^2 \left[\mathcal{P}_2(x) - \frac{x}{2} \right] dx$ $\sqrt{\frac{1}{2}}\int_{0}^{1}(2x-\frac{x}{2})dx+\int_{0}^{1}[(3-x)-\frac{x}{2}]dx=- J = \iint_{\Omega_1} dx + \iint_{\Omega_2} dx.$ $= \int_{0}^{1} dx \int_{\frac{x}{2}}^{2x} dy + \int_{1}^{2} dx \int_{\frac{1}{2}x}^{3-x} 1 \cdot dy = --$



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139.
$$I = \int_{0}^{1} dx \int_{0}^{1} x x^{2} f(x, y) dy$$
 $+ \int_{1}^{2} dx \int_{0}^{2} x^{2} f(x, y) dy$
 $+ \int_{1}^{2} dx \int_{0}^{2} x^{2} f(x, y) dx$
 $+ \int_{1}^{2$