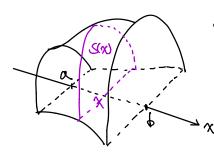
这段体的体数

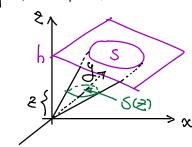
(一)一起1本社公式

这是一个几何本来在是面生路多两张平面 x=a和 x=b 之间 (a<b).



$$\Rightarrow V = \int_{\alpha}^{b} S(x) dx$$

倒: 表底面积为5, 高为6的圆银体体制。



$$\Rightarrow V = \int_0^h \frac{l^2}{\delta^2} S d\lambda = \frac{3}{3} S h.$$

图: 来文+ 12+ 2=1 (5)年秋 (a,b,c>0).

用平行于XoY的成面2=2,-c=2=c 医成种的。

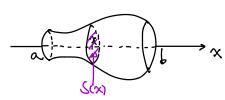
$$\iff \frac{x^2}{a^2(1-\frac{2^2}{c^2})} + \frac{y^2}{b^2(1-\frac{2^2}{c^2})} \leq 1.$$

$$\Rightarrow S(8) = \pi ab \left(1 - \frac{8^2}{c^2}\right)$$

$$\Rightarrow V = \int_{-c}^{c} \pi a b (1 - \frac{g^{2}}{c^{2}}) dz = e \pi a b \int_{0}^{c} (1 - \frac{g^{2}}{c^{2}}) dz$$

$$= e \pi a b (c - \frac{c^{3}}{3c^{2}}) = \frac{4}{3} \pi a b c.$$

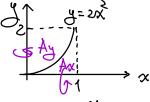
(三) 经平仓体的体积



 $V = \int_{a}^{b} \pi(yx)^{2} dx \qquad |x| \int_{a}^{b} \pi(yx)^{2} dx$ $(y(x)^{2} - 0^{2} = (y(x))^{2}.$

注:茶中心是完心的,差分的分离环幕 $\Rightarrow S(x) = \pi(y_2^2 - y_1^2) \cdot (y_1(x) \leq y \leq y_2(x)) \cdot$

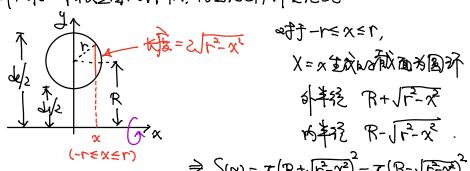
倒: y=2x (0≤ x≤1) 决是两个曲边探书



 $Ax = \{(x,y) \mid 0 \le x \le 1, 0 \le y \le 2x^2\}$ $Ay = \{(x,y) \mid 0 \le x \le 1, 2x^2 \le y \le 2\} \leftarrow x^2 \cdot 12^2 \cdot 2\pi$ $Ay = \{(x,y) \mid 0 \le x \le 1, 2x^2 \le y \le 2\} \leftarrow x^2 \cdot 12^2 \cdot 2\pi$ $= \{(x,y) \mid 0 \le y \le 2, 0 \le x \le \sqrt{2}\} \cdot (x^2 + 2y + 2x)$

 $\Rightarrow V_x = \int_0^1 \pi y^2 dx = \pi \int_0^1 4x^4 dx = \frac{1}{5}\pi.$ $V_y = \int_0^2 \pi x^2 dy = \pi \int_0^2 \frac{y}{2} dy = \pi.$

134:求一个救生圈的本部、内下经出,补下经处。



 $\Rightarrow S(x) = \pi (R + \sqrt{r^2 - \chi^2})^2 - \pi (R - \sqrt{r^2 - \chi^2})^2$ = 4x R/F=x

 $\Rightarrow V = \int_{-r}^{r} 4\pi R \sqrt{r^{2}} x^{2} dx = 8\pi R \int_{0}^{r} \sqrt{r^{2}} x^{2} dx$ $= 2\pi^{2} R r^{2}.$ $\Rightarrow R = \frac{1}{7} \cdot \frac$

(不能動).