多象4 喜斯公义

S 独 新加

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$$= \iint_{P_{2xy}} \left[R(x,y, z_{z}(x,y)) - R(x,y, z_{z}(x,y)) \right] dxdy.$$

$$\iint_{S} R(x,y,z) dxdy = \iint_{S_{1}} + \iint_{S_{2}} + \iint_{S_{2}} \frac{S_{1}(x,y)}{S_{2}} dxdy$$

$$= \iint_{S_{1}} \frac{2z}{2x} \frac{2z}{2y} - 1$$

= S [R (x,y; Z2(x,y)) - R(x,y, Z1(x,y)) dxdy.

Sz == = = (x.y)

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其余的邓可证.

$$S_{1} = \begin{cases} z = 0 & \text{fix F (m) \% IE.} \\ \chi^{2} + \frac{4^{3}}{4} \le 1. \end{cases}$$

$$I + \int = \int (2 + 22 + 0) dx dy d2$$

$$= 3 \int_{0}^{1} dz \int_{x^{2} + \frac{4^{3}}{4}} (2 + 22 + 0) dx dy$$

$$= 3 \int_{0}^{1} 8 \pi (1-2) \cdot 2 dz$$

$$= 6\pi (\frac{1}{2} - \frac{1}{3}) = \pi.$$

$$T = \pi + \iint_{\Sigma} xz \, dx \, dy = \pi.$$

$$= \pi + \iint_{\Sigma} 3xy \, dx \, dy = \pi.$$