Fula
$$23 - 9.3/1d$$

Daniel Comosion Vilela de Salis - 123.145

Progrando o calculando àso:
$$\int_{S} ds = \int_{R} \sqrt{1 + \left(\frac{\partial z}{\partial y}\right)^{2} \cdot \left(\frac{\partial z}{\partial x}\right)^{2}} dy dx$$

$$\vdots \quad z = 4 - u^{2} - v^{2}$$

$$\exists u = -2u$$

$$\exists v = -2v^{2}$$

$$Z = 4 - u^{2} - v^{2}$$

$$Zu = -2u$$

$$Z_{v} = -2v^{2}$$

$$\int \int \int \frac{1+\left(\frac{\partial n}{\partial z}\right)^{2}}{\left(\frac{\partial z}{\partial z}\right)^{2}} \frac{dn}{dn} = 0$$

$$\int_{R}^{1} \sqrt{1 + \left(\frac{9\pi}{9^{\frac{3}{2}}}\right)^{2} + \left(\frac{9\pi}{9^{\frac{3}{2}}}\right)^{2}} du du = \iiint$$

$$\int_{\mathbb{R}^{2}} \sqrt{1 + \left(\frac{\partial^{2}}{\partial u}\right)^{2} + \left(\frac{\partial^{2}}{\partial v}\right)^{2}} du dv = \int \int \left[+ (-2u)^{2} + (-2v)^{2} \right] du dv$$

$$\frac{2}{3} \int \int \frac{1}{1} \left(\frac{\partial^2}{\partial x} \right)^2 \left(\frac{\partial^2}{\partial y} \right)^2 dy dy = \int \int \int \frac{\partial^2}{\partial y} dy dy$$









 $\int_{0}^{\pi} \int_{0}^{e^{\theta}} \int_{0}^{e^{\theta}} \left[1 + 4 \pi^{2} \cdot \pi \right] d\pi d\theta = \int_{10}^{\pi} \int_{0}^{\pi} \left(1 + 4 \pi^{2} \right)^{\frac{4}{3}} \left[\int_{\pi=0}^{e^{\theta}} d\theta \right] = 0$

 $\int_{0}^{\pi} \int_{0}^{e^{\theta}} \int_{0$

 $\int_{0}^{\pi} \int_{0}^{e^{\theta}} \int_{0}^{1+4\pi^{2}} \cdot \pi \, d\pi \, d\theta = \int_{0}^{1} \cdot 4 = \int_{0}^{1} \frac{1}{2} \cdot 4 = \int_{0}^{1} \frac{1}{2} \cdot \pi \, d\pi \, d\theta$

$J = \pi$

0 < 0 < 11

∴ μ= 1 +4π²

du = 82 dz

J 1+4π π dr dθ

· Μ² + ν² = π²

