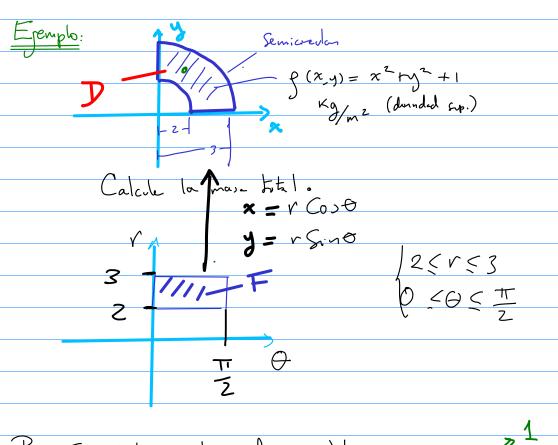


Obs: En R2 hay dos cambres de mable
pricipales: poloes y heales



Por Teo del cambro de reiable 
$$r^2[C_{g}^2 + h^2 \sigma] + 1$$

duridad

$$\int (\pi^2 + y^2 + 1) dA = \int [(rC_{0} \times \sigma)^2 + (rh_{e})^2 + 1] dr d\theta$$

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Mason

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$$\frac{\partial(x,y)}{\partial(x,0)} = \left[\begin{array}{cc} \frac{\partial x}{\partial x} & \frac{\partial y}{\partial y} \\ \frac{\partial x}{\partial x} & \frac{\partial y}{\partial y} \end{array}\right] = V$$

$$\left| dt \left[ \begin{array}{c} Cose \\ -rhe \end{array} \right] \right| = r Cose \left| \begin{array}{c} 2 \\ -rhe \end{array} \right|$$

$$= \iint (r^{2}+1) \sqrt{drd\theta} = \iint (r^{3}+r) d\theta dr$$

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$$\begin{cases} \binom{2}{1} = \binom{a \ b}{c \ d} \binom{4}{0} = \binom{9}{c} \\ \binom{4}{2} = \binom{ab}{cd} \binom{0}{1} = \binom{5}{d} \end{cases}$$

$$\begin{pmatrix} a & b \\ c & d \end{pmatrix} = \begin{pmatrix} 2 & 1 \\ 1 & 2 \end{pmatrix} \begin{pmatrix} u \\ v \end{pmatrix}$$

Asi que poporenos

$$\begin{array}{cccc}
\chi &= 2u + v \\
J &= u + zv \\
1 &= 1
\end{array}$$

$$\int (2u + v) + (u + zv) &= 0$$

$$0 &= 0$$

$$\frac{\partial(x,y)}{\partial(u,u)} = \frac{1}{2} = 3$$

$$= \int_{\partial}^{1} 3(u+v) \cdot 3 du dv =$$

Ejemplo 3: 
$$\int_{0}^{\infty} \frac{-x^2}{z^2} dx = 1$$

$$\frac{1}{1} = \int_{0}^{\infty} e^{-\frac{x^{2}}{2}} dx, \qquad \int_{0}^{\infty} e^{-\frac{y^{2}}{2}} dy$$

$$= \int_{0}^{\infty} \int_{0}^{\infty} \frac{(x^{2}+y^{2})}{z} dx dy$$

$$= \int_{0}^{\infty} \int_{0}^{\frac{\pi}{2} - \frac{v^{2}}{2}} V d\theta dr$$

$$= \frac{\pi}{2} \int_{\partial} e^{-\frac{r^2}{2}} v dr = \frac{\pi}{2}$$

$$\begin{pmatrix} -\sqrt{2} & | & v = \infty \\ -\sqrt{2} & | & 0 \\ v = 0 \end{pmatrix}$$

