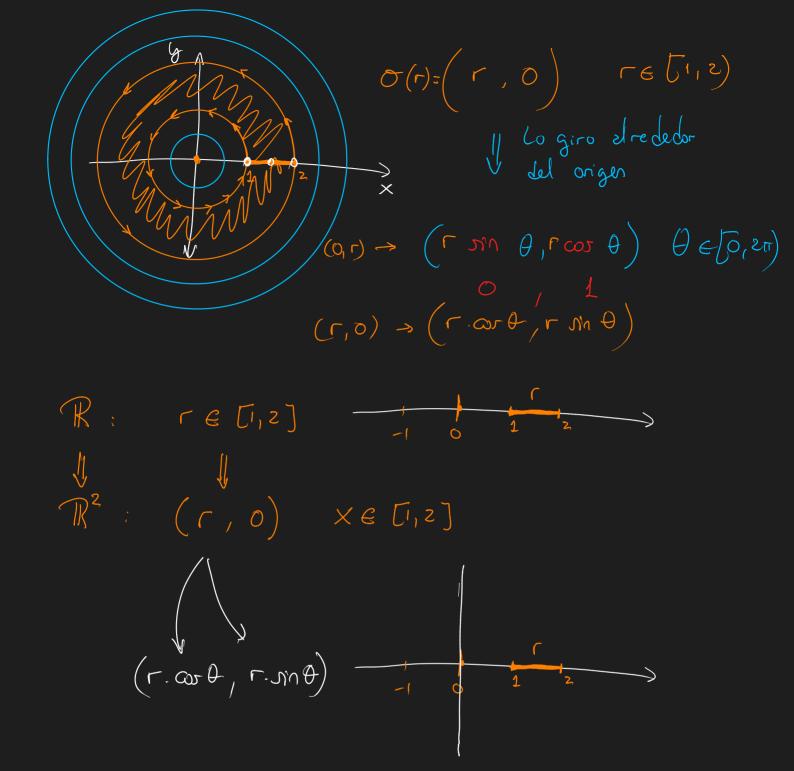
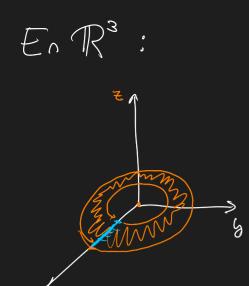
Superficier de Revolución

- 1 Curva de Revolución: Girando un punto en R2
- 2 Generalización a R3
- 3- Ejempler conocidos y no tento
 - Cilindro
 - Gno
 - Pardoobide
 - -Onder on el agua
 - * Espiral de Churro

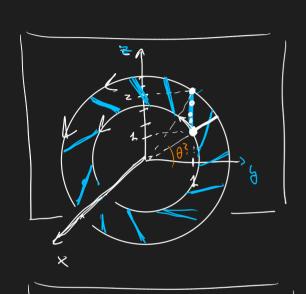




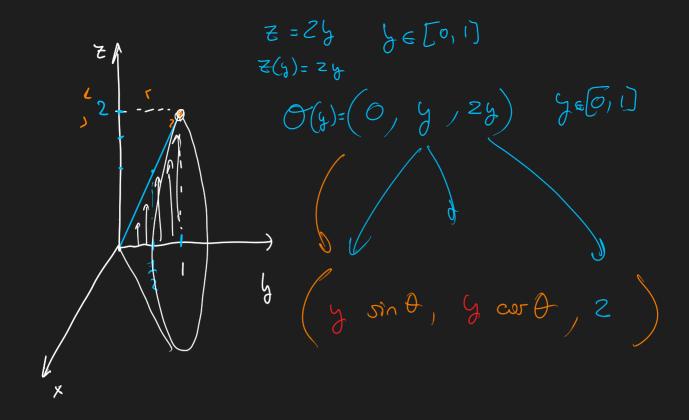


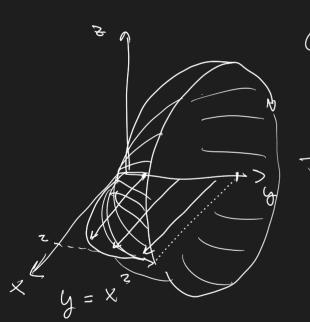
$$\mathcal{T}(r) = (r, 0, 0) \quad reti, 2$$

$$\mathcal{T}(r, \theta) = (r, \cos\theta, r, \sin\theta, 0)$$



$$\begin{pmatrix}
0, 1, z \\
0, r. cor(z), r. sn(z) \\
z \\
z$$





$$O(x) = (x, x^{2}, 0) \quad x \in [0, 2]$$

$$T_{1}(x, \theta) = (x, x^{2}, \cos \theta, x^{2}, \sin \theta)$$

xe (0, 27 0 + (0, 20)

$$T_{z}(x,\theta) = \left(x \cdot \cos\theta + x^{2} \cdot x \cdot \sin\theta\right)$$

- Onder on el agua



$$\mathcal{O}(x) = \left(x, 0, \sin x\right)$$

$$\int (x \cdot \theta) = (x \cos \theta, x \sin \theta) = x$$

* Espiral de Churro

$$S_{1}(\theta) = (r \cdot cos \theta, r \cdot sin \theta) r \cdot cte$$

$$r(\theta) = sin 12\theta$$

$$\mathcal{O}_{\varepsilon}(\theta) = \left(\mathcal{M}(lz\theta) \cdot cos\theta, \mathcal{N}(lz\theta) \cdot \mathcal{M} \right)$$

$$\mathcal{O}_3(0) = \left((2+ \text{sn} 120) \cdot \text{cos} \theta, (2+ \text{sn} 120) \cdot \text{sn} \theta \right)$$

$$\mathcal{T}_{3}(0) = \left((2+m (20) \cdot \cos \theta) \right) \left((2+m (20) \cdot \sin \theta) \right)$$

$$T_4(\theta) = (10 + (2 + 50 + 120) - \cos \theta, 0, (2 + 50 + 120) - \sin \theta)$$

$$\overline{J_S(\theta, \psi)} = \left(\overline{X}, \cos \theta, \overline{X} \sin \theta, \overline{Z}\right)$$