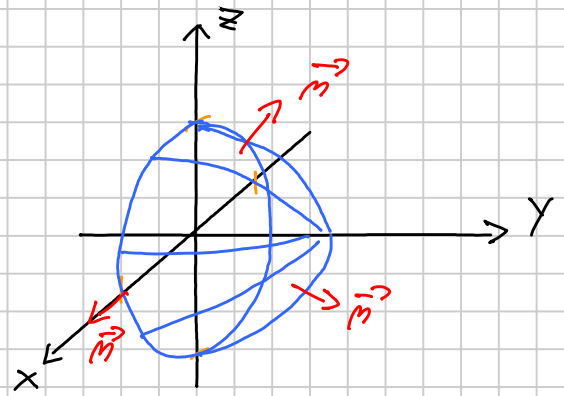


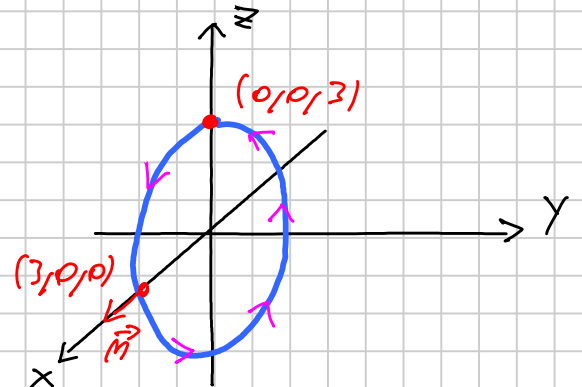
$$\begin{cases} S: x^2 + 2y^2 + z^2 = 9, y \geq 0 \\ \vec{F} = (xz^x + y, xz^2, x) \end{cases}$$



PARAMETRIZZAZIONE:

$$(3\cos\theta, 0, 3\sin\theta) \quad \theta = [0, 2\pi]$$

$$\begin{aligned} \theta = 0 &\leadsto (3, 0, 0) \\ \theta = \pi/2 &\leadsto (0, 0, 3) \end{aligned} \left. \vphantom{\begin{aligned} \theta = 0 \\ \theta = \pi/2 \end{aligned}} \right\} \begin{array}{l} \text{NON VA} \\ \text{BENE} \end{array}$$



$$\leadsto (3\cos\theta, 0, -3\sin\theta) \quad \theta = [0, 2\pi]$$