

$$n_0 = \frac{\text{S Surface}}{\text{Flow (s)}} \rightarrow 0,91$$

en coordonnées polaires

$$n_0 = \frac{\int r \cos \theta dr d\theta}{2\pi} \rightarrow 0,15$$

$$= \frac{\int_{\frac{\pi}{3}}^{\frac{\pi}{2}} \cos \theta \left[ \int_1^3 r^2 dr \right] d\theta}{2\pi}$$

$$= \frac{\frac{26}{3} \sin \theta \Big|_{\frac{\pi}{3}}^{\frac{\pi}{2}}}{2\pi} \rightarrow 0,28$$

$$= \frac{13}{3\pi} \left( \sin \left( \frac{\pi}{2} + \frac{\pi}{6} \right) - \sin \frac{\pi}{3} \right)$$

$$= \frac{13}{3\pi} \left( \cos \frac{\pi}{6} - \sin \frac{\pi}{3} \right) = 0 \quad \begin{matrix} \frac{\sqrt{3}}{2} \\ \frac{\sqrt{3}}{2} \end{matrix} \rightarrow 0,15$$