

Auxiliar 14

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P1. calcule la integral

$$\oint_{|z|=1} \frac{z^2 + 1}{z^3 - z^2/2} dz \quad (1)$$

P2. Calcule la integral

$$\int_0^{2\pi} \frac{d\theta}{2 + \cos \theta} \quad (2)$$

P3. Calcule la integral

$$\int_0^{\infty} \frac{dx}{x^4 + 1} \quad (3)$$