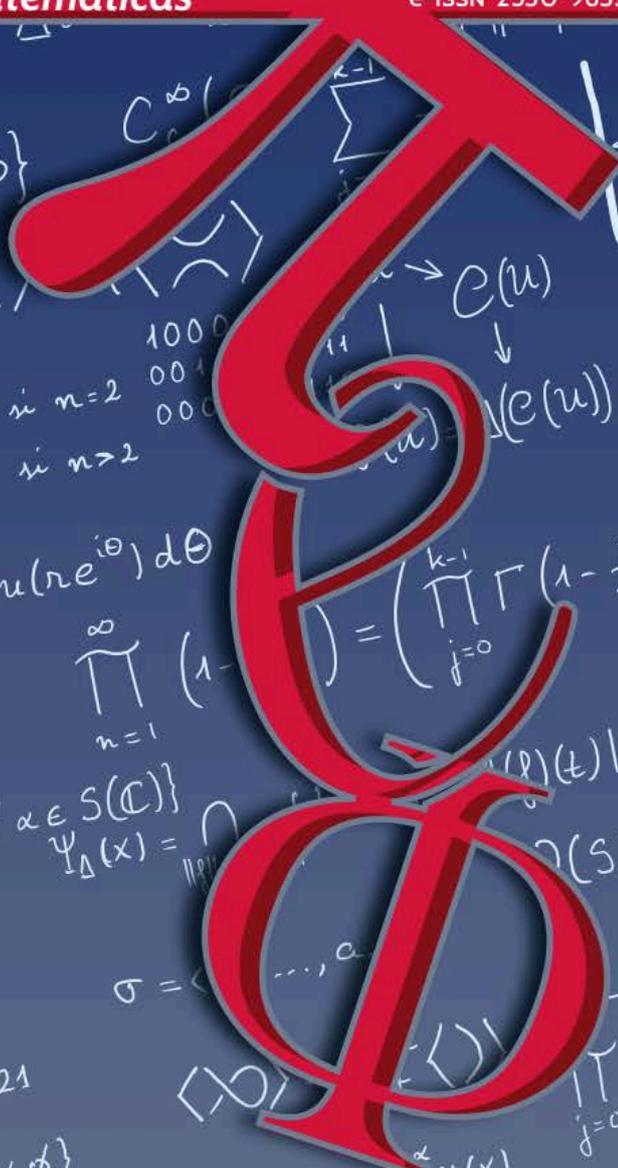


# TEMAT

divulgación de trabajos de estudiantes de matemáticas

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Background filled with mathematical formulas and diagrams:

- $\vec{F}: \mathbb{R}^2 \rightarrow \mathbb{R}^2$
- $F(x,y,z) := (P, Q, R)(x,y,z)$
- $\sigma: \vec{D} \rightarrow \sigma(\vec{D}) = \{S \subset \mathbb{R}^3\}$
- $\int_{\partial S} F \cdot dl = \sum_{j=1}^4 \int (F \circ \sigma_j) \cdot \vec{\tau}_j dt$
- $\int_{\partial S} \tilde{F} \cdot dl = \sum_{j=1}^4 \int ((\tilde{F} \circ \sigma_j) \cdot \vec{\tau}_j) dt$
- $\text{supp}(c_i) = \emptyset$
- $C^{i-1,j}(D) \rightarrow C^{i,j}(D) \rightarrow C^{i+1,j}(D) \rightarrow \dots$
- $C(u) = \{\sigma \subset \{1, \dots, n\} \mid \bigcap_{i \in \sigma} u_i = (\bigcup_{j \in \sigma^c} u_j) \neq \emptyset\}$
- $\chi(x) = \begin{cases} \|x\| \Delta(\frac{x}{\|x\|}) & \text{if } x \neq 0 \\ 0 & \text{if } x = 0 \end{cases}$
- $\zeta(z) := \sum_{n=1}^{\infty} \frac{1}{n^z}$
- $\chi \simeq \gamma$
- $\Theta(r) = \frac{1}{2\pi} \int_{-\pi}^{\pi} u(re^{i\theta}) d\theta$
- $\langle D \cup \bigcirc \rangle = (q+q^{-1}) \langle D \rangle$
- $A = \{x \in \Omega, F(\alpha, x) = \alpha F(1, x), \forall \alpha \in S(\mathbb{C})\}$
- $\Delta = \nabla^2 = \sum_{j=1}^n \frac{\partial^2}{\partial x_j^2}$
- $\prod_{n=1}^{\infty} (1 - \frac{z^3}{n^3}) = \frac{1}{\pi} \cosh(\frac{\sqrt{3}\pi}{2})$
- $\mathcal{L}[u](x) = \sum_{|\alpha| \leq m} a_{\alpha}(x) \partial^{\alpha} u(x)$
- $V_K(q) = \sum_{\alpha \in \{0,1\}^n} (-1)^{n_+ + n_{\alpha}} q^{n_{\alpha} + n_+ - 2n_{\alpha}} (q+q^{-1})^{|\alpha|}$
- $\Gamma(z) = \int_0^{\infty} t^{z-1} e^{-t} dt$
- $\int_{\partial \Omega} \partial_{\bar{z}} u dS = 0$
- $\mathcal{L}(u \circ \rho_0) = (\mathcal{L}u) \circ \rho_0$
- $\langle D \rangle = (-1)^{n_+ - n_{\alpha} - 2n_{\alpha}} \langle D \rangle$

