

=
$$\int_{0}^{\pi} 4 \cos^{2}(t) \cdot 2 dt = 8 \int_{0}^{\pi} \cos^{2}(t) dt$$

= $8 \int_{0}^{\pi} (1 + \cos(2t)) dt = 8 \int_{0}^{\pi} + \sin(2t) \int_{0}^{t-\pi} dt$

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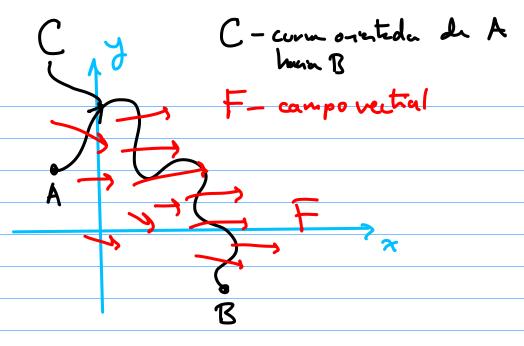
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Fds = Trabajo realizado por el campo F

a lo lago de la coma C "

Tintegal de línea de F

a lo lago de C

Teorema: Si p(t) es una proetitución de C
entenes

$$\int F(t) = \int_{a}^{b} F(\tau(t)) \cdot \tau'(t) dt$$