The set of
$$\mathbb{R}^{2}$$
 is \mathbb{R}^{2} in the set of \mathbb{R}^{2} in the se

 $= \int_{0}^{b} P(x(t), y(t), z(t)) x^{i}(t) dt + \int_{0}^{b} G(x(t), y(t), z(t)) y^{i}(t) dt + \int_{0}^{b} R(x(t), y(t), z(t)) z^{i}(t) dt =$ $\mathbb{P}(\mathbf{x}(\mathbf{t}), \mathbf{y}_{(\mathbf{t})}, \mathbf{y}_{(\mathbf{t})}) = \mathbb{P}(\mathbf{x}, \mathbf{y}, \mathbf{t})$

 $= \int_a^b f(x,y,t) dx + \int_a^b G(x,y,t) dy + \int_a^b R(x,y,t) dt = \int_a^b f(x,y,t) dx + cusy,t) dy + R(x,y,t) dt$

 $\oint_{\Omega} F dr = \oint_{\Omega} P dx + Q dy = \iint_{\Omega} rot(f) \stackrel{?}{k} dA = \iint_{\Omega} \frac{aQ}{ax} - \frac{aP}{ay} dx dy$

De finimos