

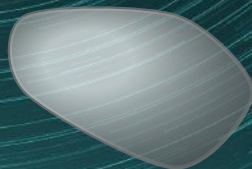
calculus

with free online interactive materials

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$$\int_C \nabla F \cdot d\mathbf{p} = F(\mathbf{b}) - F(\mathbf{a})$$



$$\iiint_R \nabla \cdot \mathbf{F} dV = \iint_{\partial R} \mathbf{F} \cdot \hat{\mathbf{n}} dS$$



$$\iiint_R (\nabla \times \mathbf{F}) \cdot \hat{\mathbf{n}} dS = \oint_{\partial R} \mathbf{F} \cdot d\mathbf{p}$$



developed in XIMERA