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Of Problems Of Finite ...Fundamental Property Of Finite Element Models [41].
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$C^k(W)$ is the space of smooth differential k -forms on W . The space $L^k(W) = C^k(W, \mathbb{R})$ is the space of smooth differential k -forms on W . Exterior Derivative: $dk: L^k(W) \rightarrow L^{k+1}(W)$. Integral of a k -form over an oriented k -simplex: $\int_{\sigma} \omega = \int_{\sigma} \omega_1 \wedge \dots \wedge \omega_k$. Stokes Theorem: $\int_{\partial U} \omega = \int_U d\omega$, $U \subset \mathbb{R}^n$, $\omega \in L^{k-1}(U)$. All this works on any smooth ... Jan 5th, 2024

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