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Nota di contenuto	1. Introduction -- 2. Concepts from functional analysis -- 3. Classical methods of approximation -- 4. The finite element method -- 5. Self-adjoint differential operators -- 6. Non-self-adjoint differential operators -- 7. Non-linear differential operators -- 8. Basic elements of mapping and interpolation theory -- 9. Linear elasticity using the principle of minimum total potential energy -- 10. Linear and nonlinear solid mechanics using the principle of virtual displacements -- 11. Additional topics in linear structural mechanics -- 12. Convergence, error estimation, and adaptivity.