



Selected topics in FEM analysis of structures

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Syllabus of the lecture

1. Quick start: from equilibrium equations to FEM approximation
2. Interpolation and approximation in FEM
3. Nonlinear solid mechanics: strain and stress measures, equilibrium equations
4. Constitutive equations: hyperelasticity, plasticity
5. Linearized equilibrium equations, approximation
6. Review of solution techniques
7. Numerical integration rules – locking problem
8. Remarks on commercial FEM codes

TERMINY WYKŁADÓW			
Data	Dzień tygodnia	Godzina	Sala
2014-03-07	Pt	17.00-19.45	GG 162
2014-03-14	Pt	17.00-19.45	GG 162
2014-03-21	Pt	17.00-19.45	GG 162
2014-03-28	Pt	17.00-19.45	GG 162
2014-04-04	Pt	17.00-19.45	GG 162