

## Guide of reading of the reference material

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## 1 Algorithms and methodologies

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- [R5.05.04] Modeling of damping in linear dynamics
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- [R4.05.03] seismic Answer by spectral method
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- [R4.06.02] modal Calculation by classical dynamic under-structuring
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- [R5.06.01] Reduction of model in linear and non-linear dynamics: Method of RITZ

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### 1.7 Interaction ground-structure

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[R3.06.09] Finite elements of joint mechanics and finite elements of joint coupled hydraulic  
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- [R3.07.02] digital Modeling of the mean structures: axisymmetric thermoelastoplastic hulls and 1D
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- [R3.07.04] Finite elements of voluminal hulls
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- [R3.07.07] voluminal Element of hull SHB with 8 nodes
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- [R3.07.09] Elements of plate: Modeling Q4GG
- [R3.08.01] "exact" Elements of beams (right and curved)
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- [R7.02.12] eXtended Finite Method Element
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- [R7.02.15] Modeling of the cracks with hydro-mechanical coupling in saturated porous environment