

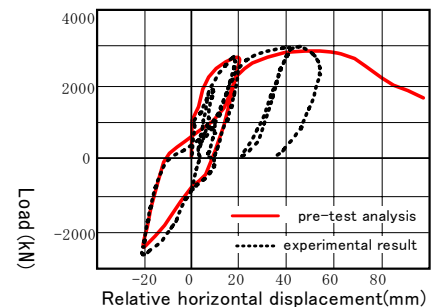
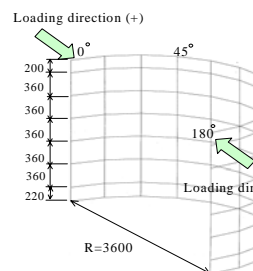
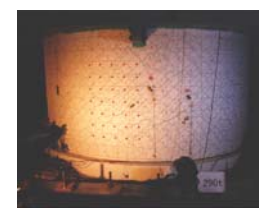
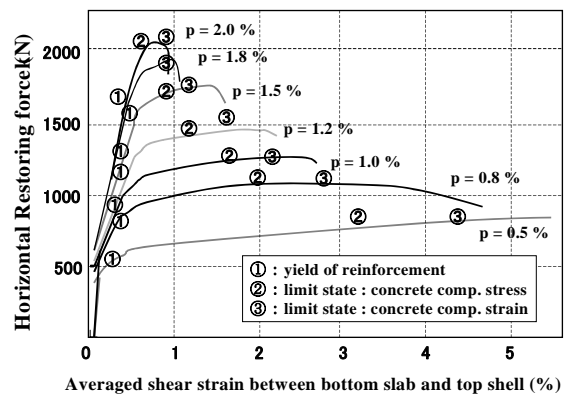
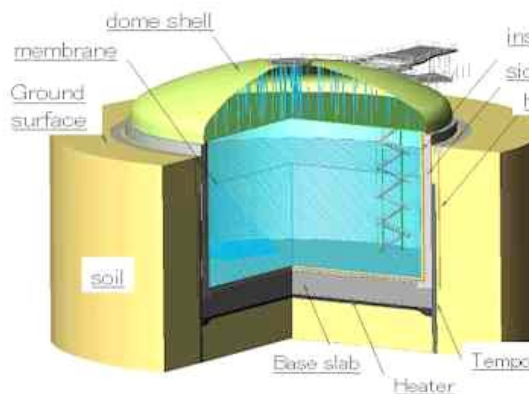


The Constitutive modeling of reinforced concrete and nonlinear structural mechanics

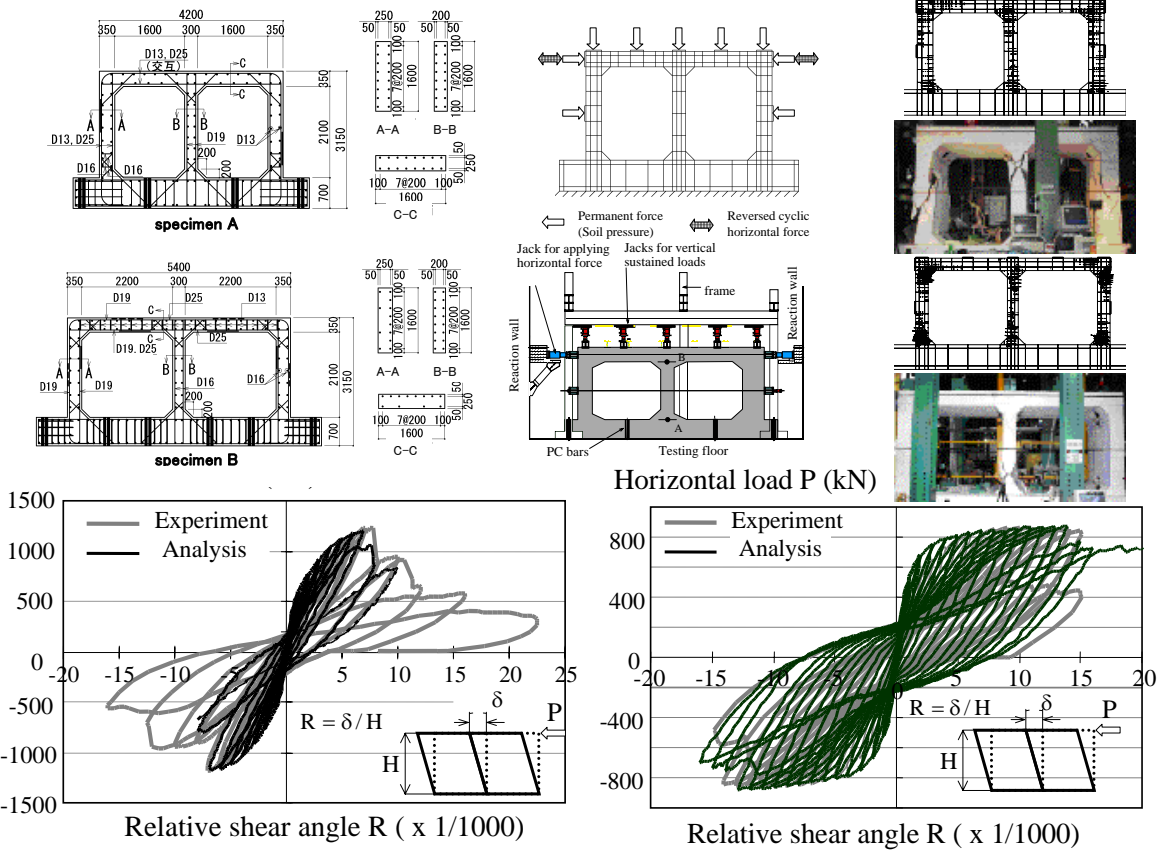
The Constitutive modeling of reinforced concrete and nonlinear structural mechanics that should be taken into account in the practical design of reinforced concrete structure have been studied in our concrete laboratory since 1980's. An important feature of the modeling is the consistency of its application to any type of structure and of loading through the nonlinear dynamic finite element coding in the programs WCOMD for two dimension and COM3 for three dimensions. These programs have been released by Forum 8 Co. Ltd. The books and following references may be useful for their understanding.

Reference

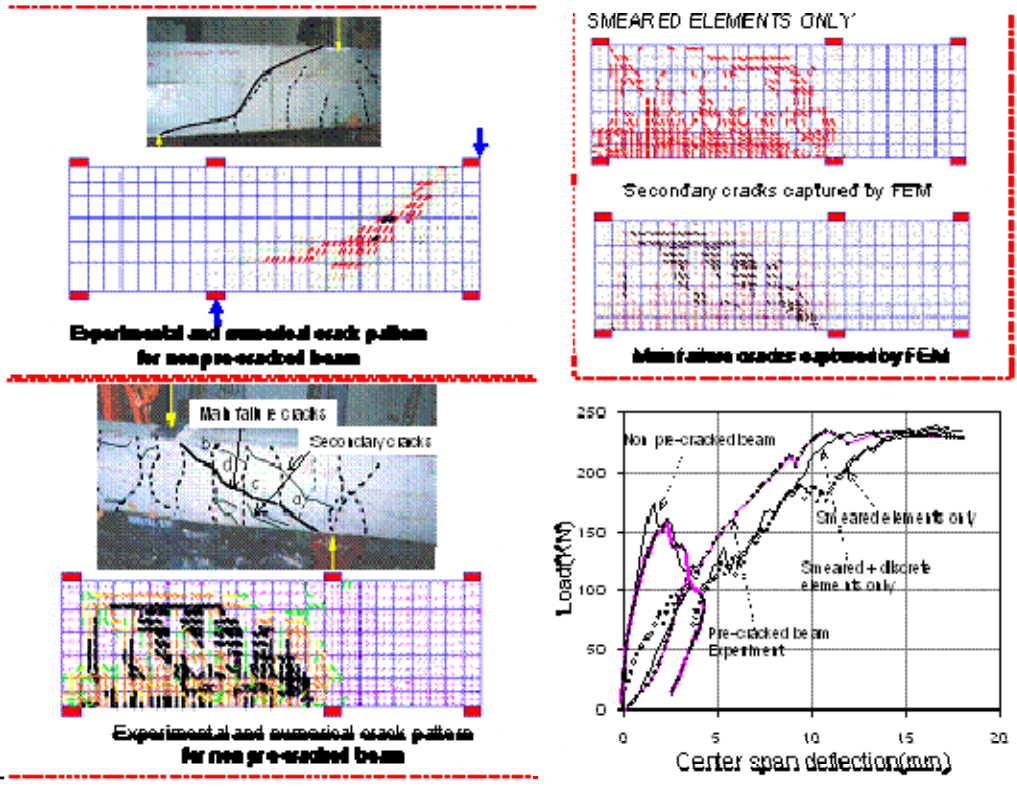
- [Forum8 Co., Ltd](#)
- [COMS Engineering](#)
- [WCOMD \(Forum8\)](#)
- [COM3 \(Forum8\)](#)



Verification of Performance Assessment Method by 3D nonlinear Simulation COM3
- LNG tank -



Back-Check of Existing Structural Performance by 2D nonlinear Simulation WCOMD
 - Underground Aqua-ducts for Nuclear Power Station



Verification of Nonlinear interaction modeling of multi-directional cracking
 -Non-orthogonal Crack-to-Crack Interaction-