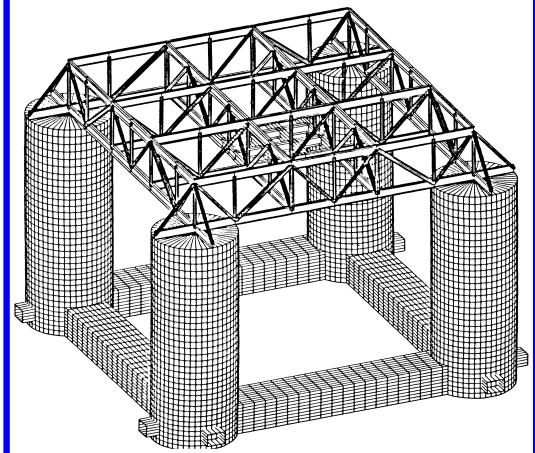
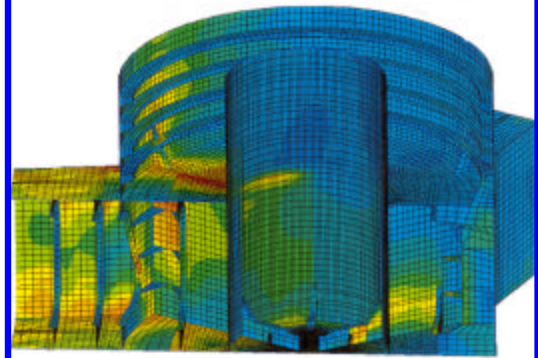


STRUCTURAL

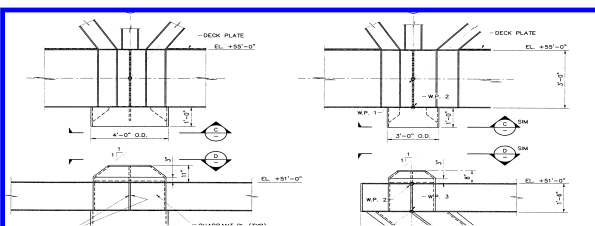
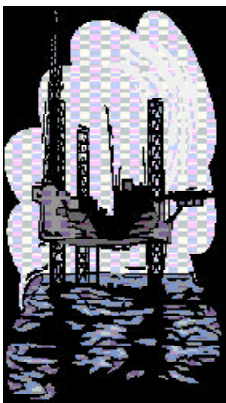
- ❖ Modeling of diverse geometric configurations
- ❖ Determination of dynamic characteristics of structures
- ❖ Development of time-dependent loads
- ❖ Determination of structure response to applied loads
- ❖ Definition of load and stress distribution within structure components
- ❖ Evaluation of component buckling and instability failure stresses
- ❖ Determination of stress concentration factors
- ❖ Evaluation of fatigue lives
- ❖ Application of fracture mechanics
- ❖ Load generation for wind, wave and current as well as functional loads
- ❖ Linear and nonlinear structural analyses of steel and concrete structures
- ❖ Seismic analyses of offshore and onshore structures
- ❖ Ship-impact, damaged-member reserve strength and ultimate strength collapse analyses



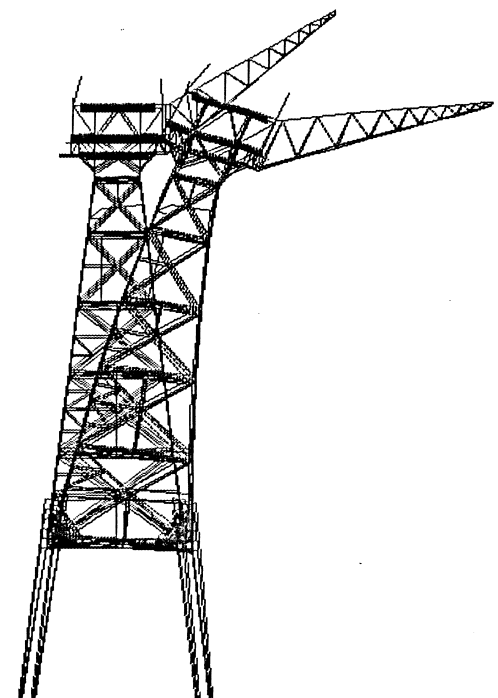
Structural Steel Mesh



Finite Element Analysis



Structural Detailing



Platform Push-Over Analysis