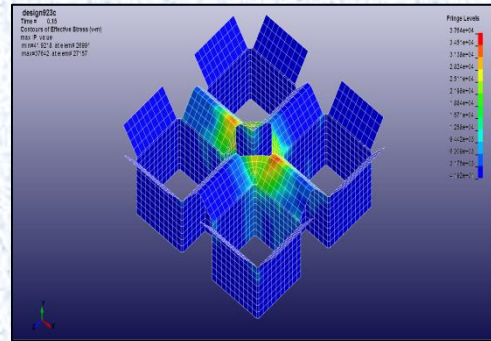


## NUCLEAR

## MECHANICAL ANALYSIS

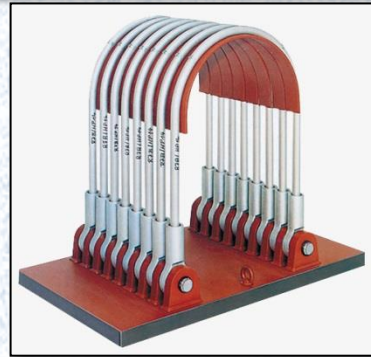
### ➤ Seismic

- Analyze integrity of nuclear fuel assemblies, work platforms, bridge cranes, fuel storage racks, etc.
- Perform high resolution computer analysis
- Evaluate multiple impact waves caused by physical or seismic activities



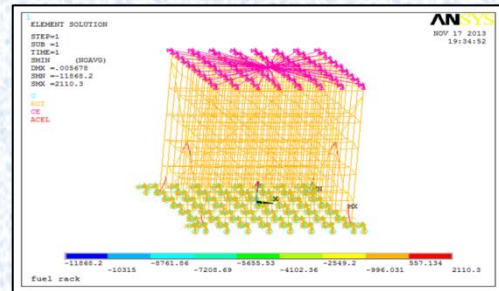
### ➤ Pipe Whip

- Design of pipe restraint system
- Evaluated systems up to 16" piping
- Developed appropriate stress and failure modes
- Designed and simulated appropriate restraints



### ➤ Structural

- Utilize LS Dyna and ANSYS for finite element analysis
- Incorporate hand calculations
- Analyze weld joints
- Provide formal analysis reports



### ➤ Thermal

- Steady state and transient
- Temperature dependent material properties
- Conduction, convection, and radiation
- SDRC I-DEAS and ANSYS

