

Midas Intro Session

Modeling Structural Contact Using Various Approaches



Midas North American Office
Tuesday, Dec 15th, 2021
3:00 PM – 4:00 PM EST

jsun@midasoft.com
450 7th Ave Suite 2505, New York, NY, 10123, US





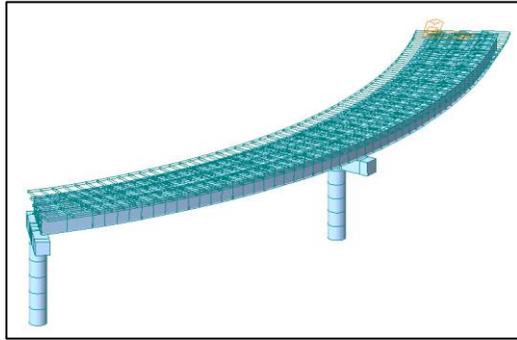
- Concrete Crack Analysis
- **Static Analysis**
- Construction Stage Analysis
- Reinforcement Analysis
- Buckling Analysis
- Eigenvalue Analysis
- Response Spectrum Analysis
- Time History Analysis(Linear/Nonlinear)
- **Static Contact Analysis**
- Interface Nonlinearity Analysis
- **Nonlinear Analysis(Material/Geometric)**
- Heat of Hydration Analysis
- Heat Transfer Analysis
- Slope Stability Analysis
- Seepage Analysis
- Consolidation Analysis
- Coupled Analysis(Fully/Semi)



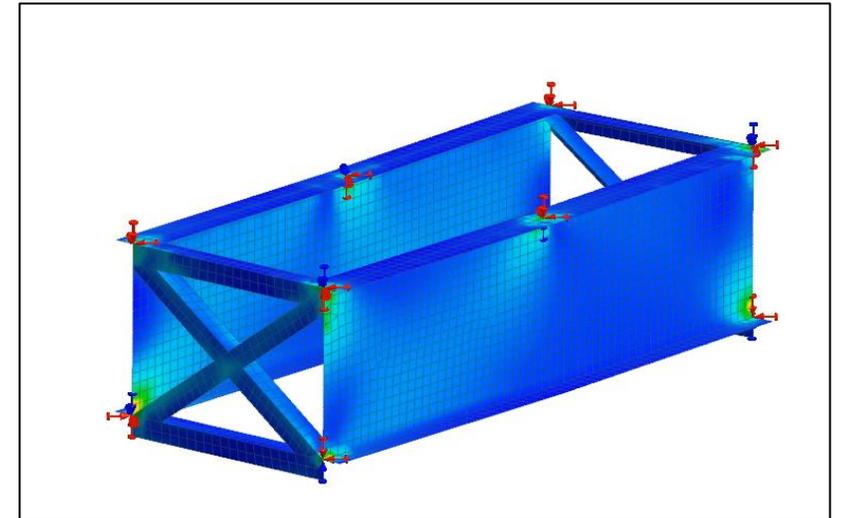
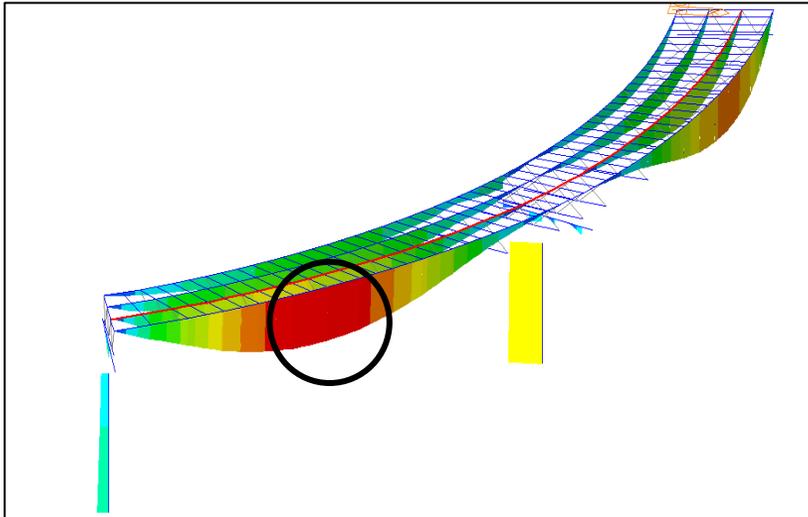
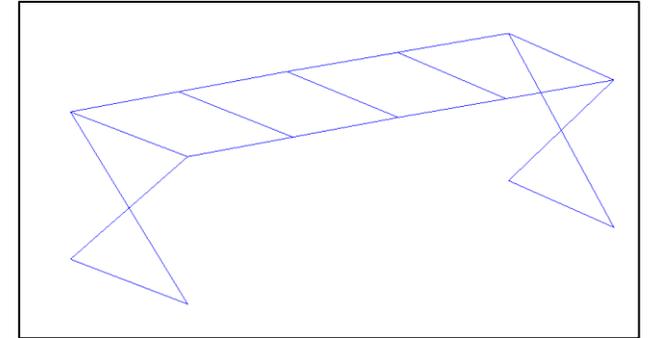
Why Detailed Finite Element Analysis?



Midas Civil Model & Result

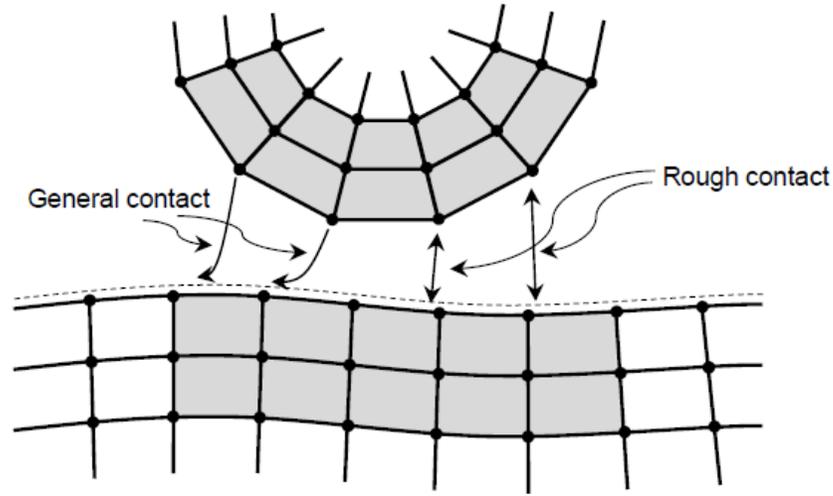


Midas FEA NX Imported Model & Result

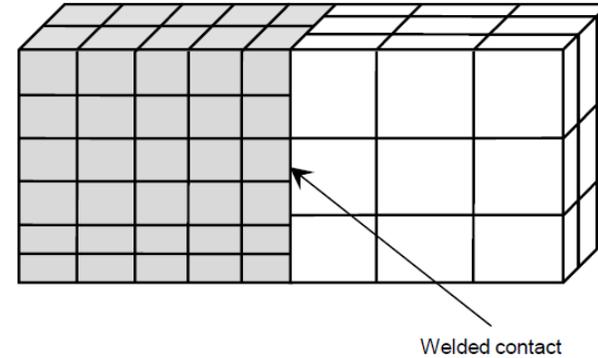




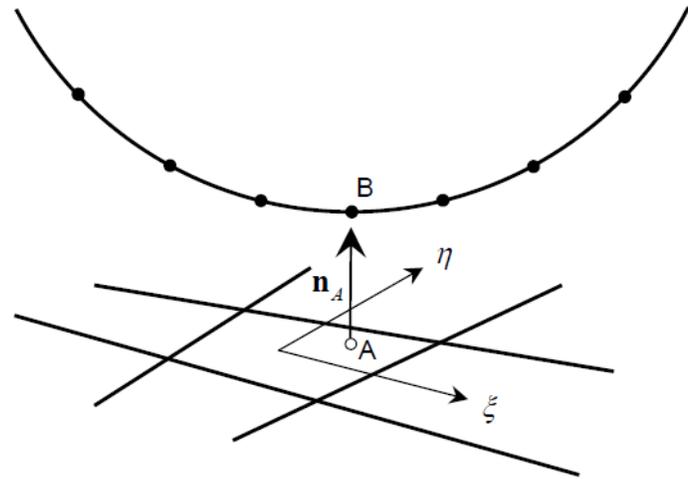
Contact Types



Concept of general contact and rough contact



Concept of welded contact



Normal relationship between slave node and master segment