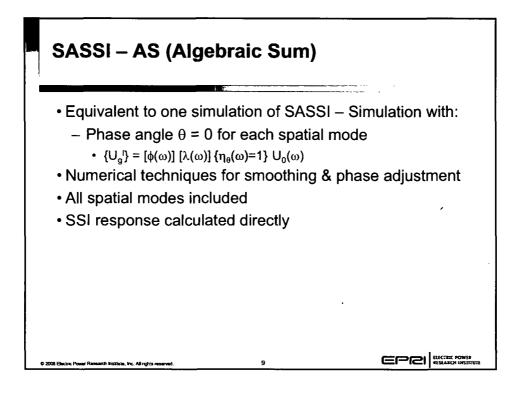
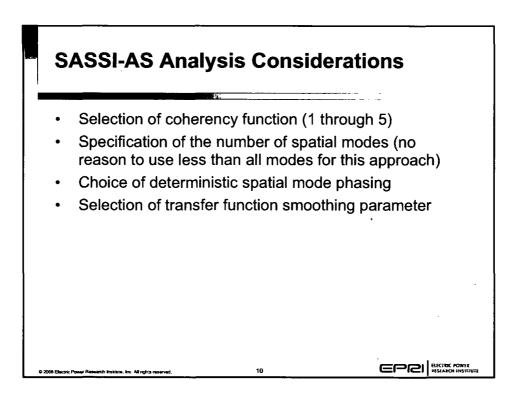
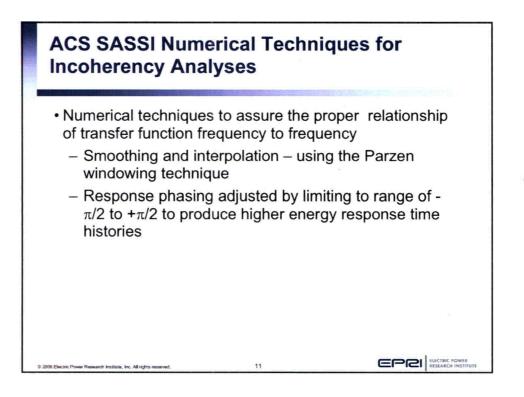
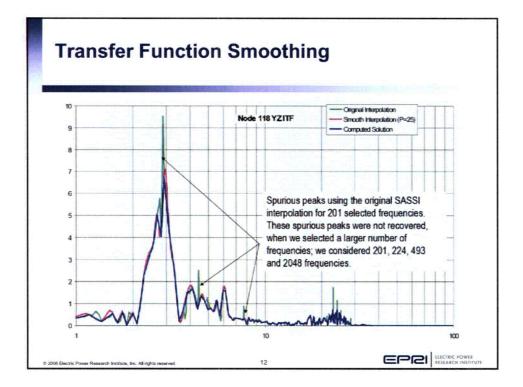


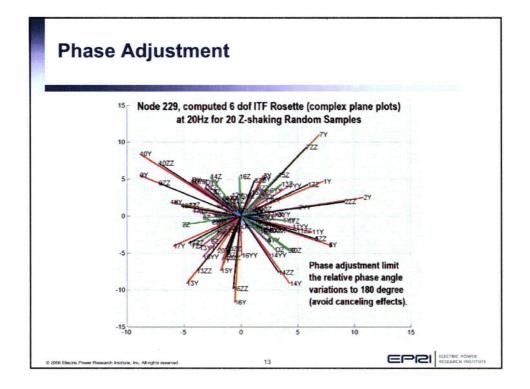
### **SASSI-Simulation Analysis Considerations** Selection of coherency function (1 through 5) ٠ Specification of the number of spatial modes (no • reason to use less than all modes for this approach) Specification of random seeds and range for spatial • mode phasing Selection of transfer function smoothing parameter • Decide on number of simulations • · Compute the mean of the response quantities of interest 8 © 2006 Electric Power Research Institute, Inc. All rights reserved.

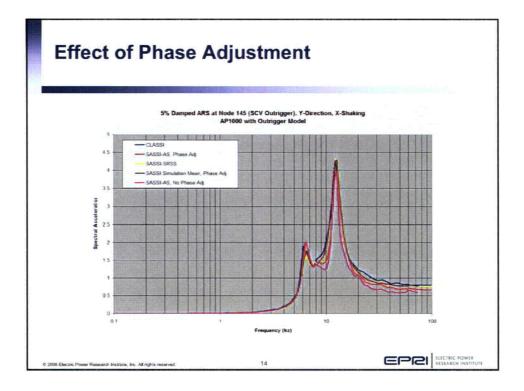


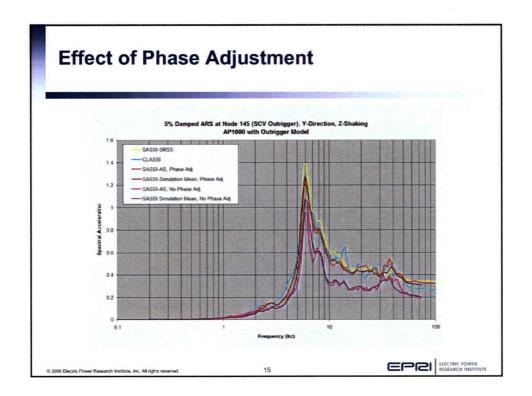


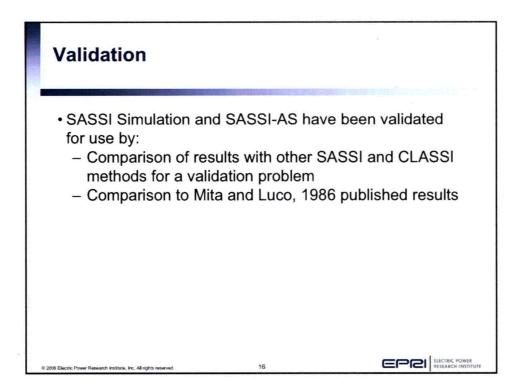


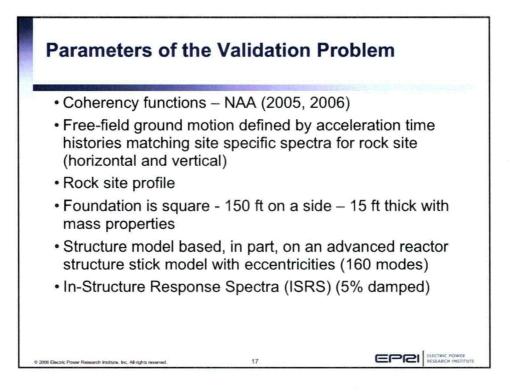


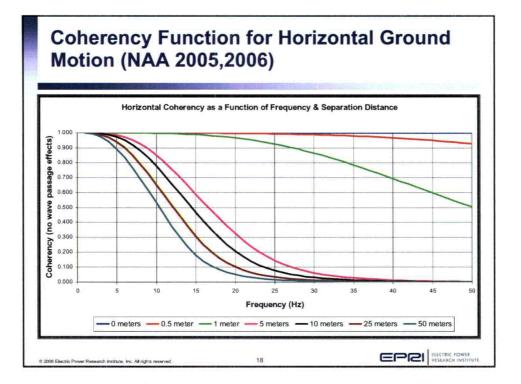


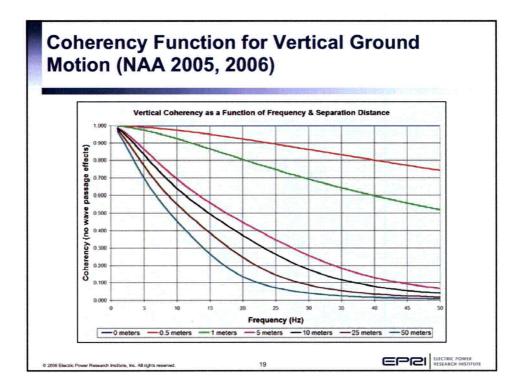


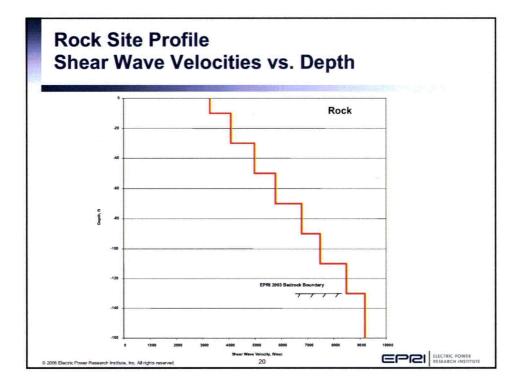


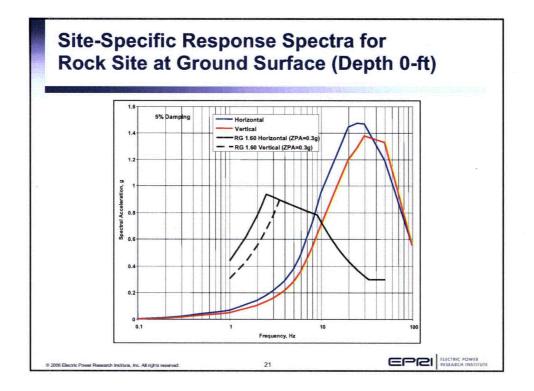


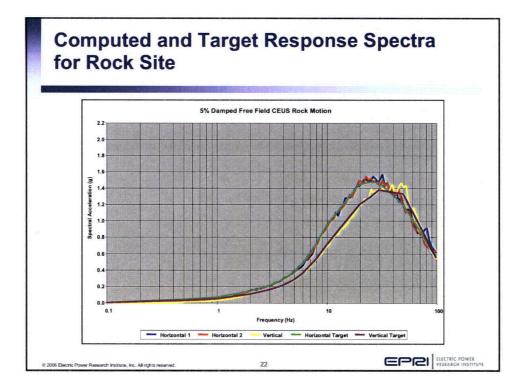


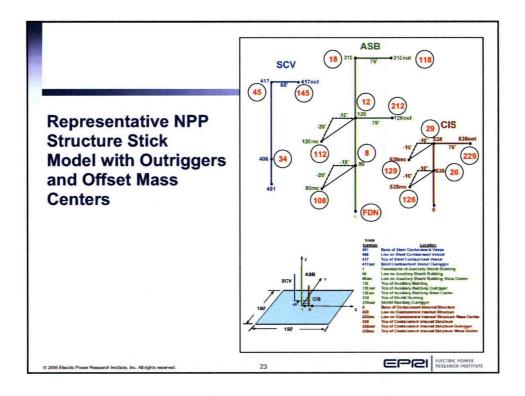


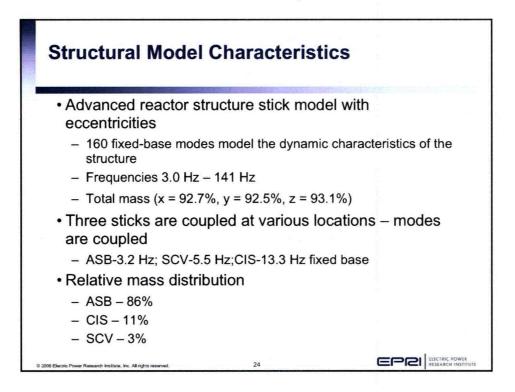


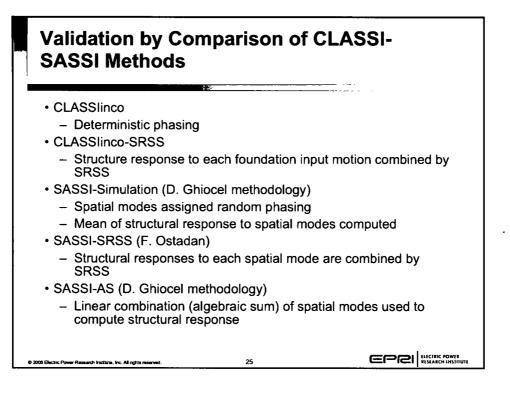


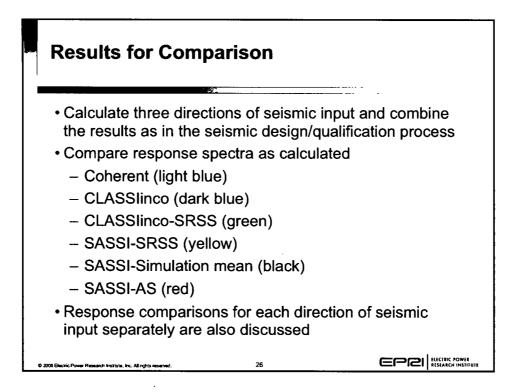


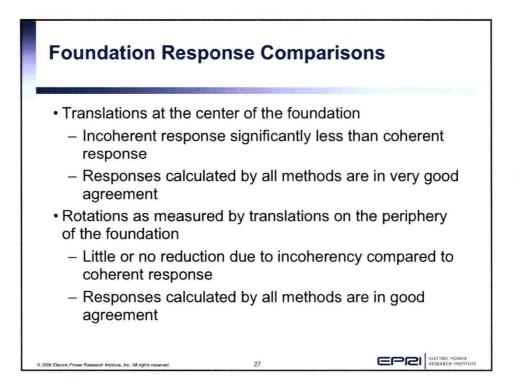


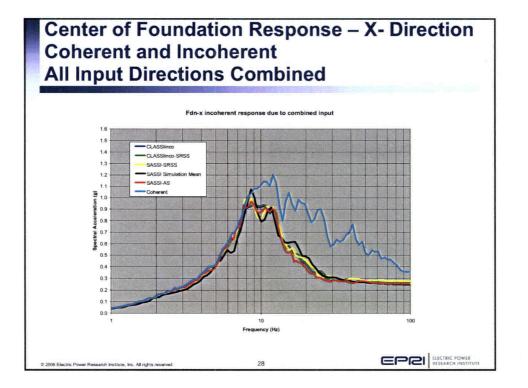




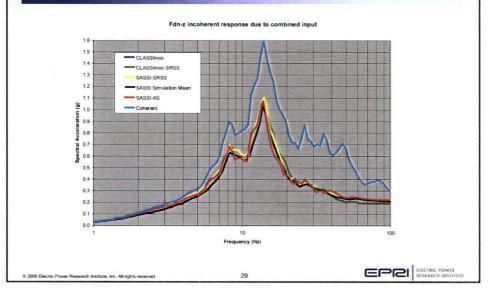


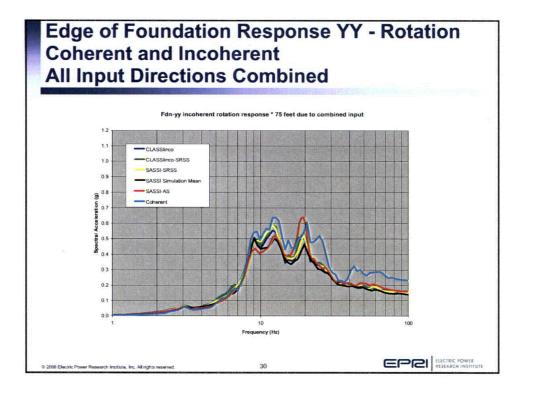




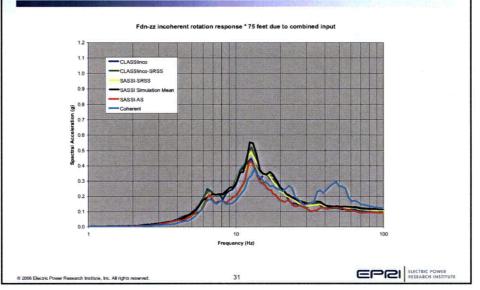








## Edge of Foundation Response ZZ - Rotation Coherent and Incoherent All Input Directions Combined

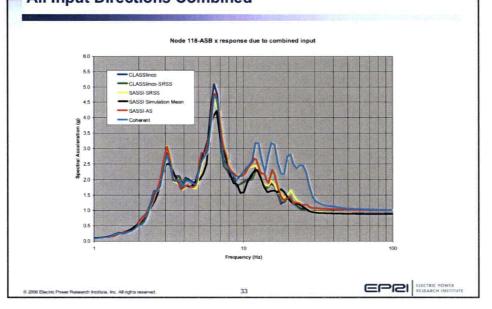


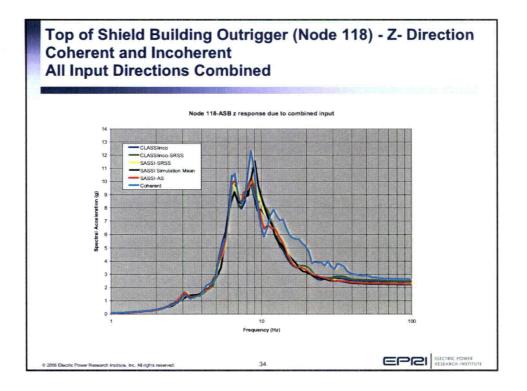
# Top of Shield Building –Outrigger (Node 118 – 75 ft.)

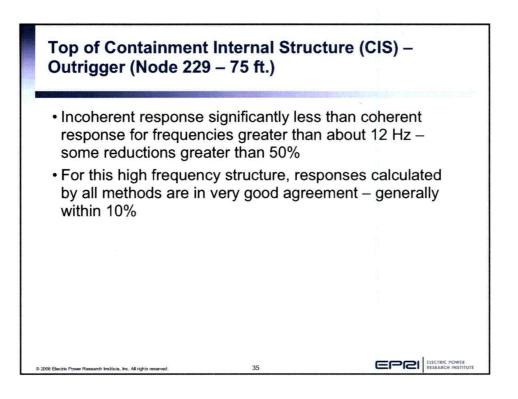
- Incoherent response significantly less than coherent response
  - Horizontal frequencies greater than 12 Hz up to 30 Hz (less reductions at ZPA)
  - Vertical greater than 10 Hz
  - Outrigger reductions somewhat less than on centerline
- Responses calculated by all methods are in good agreement – generally within 10%
- Small increases in incoherent response over coherent response at peak spectral frequencies less than 10 Hz are observed – induced rotations effects

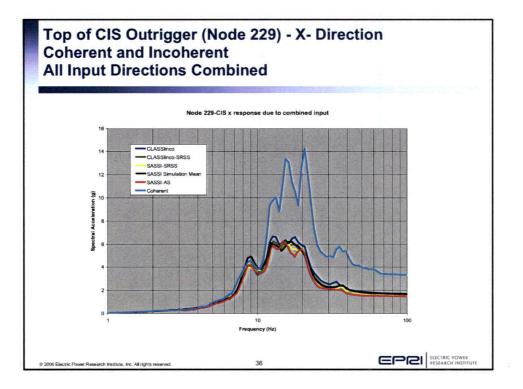
#### Top of Shield Building Outrigger (Node 118) - X- Direction Coherent and Incoherent All Input Directions Combined

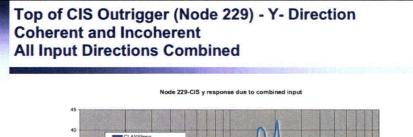
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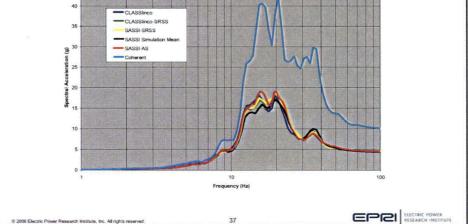


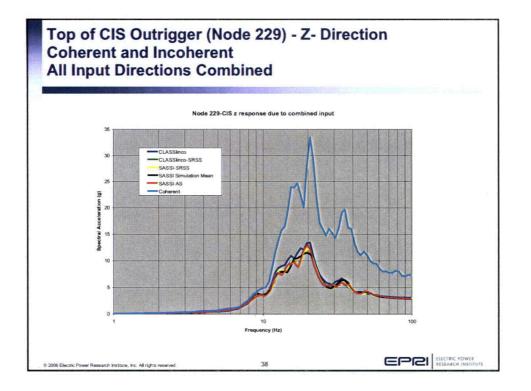


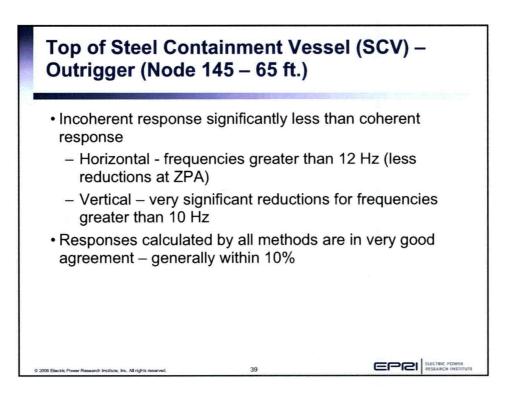


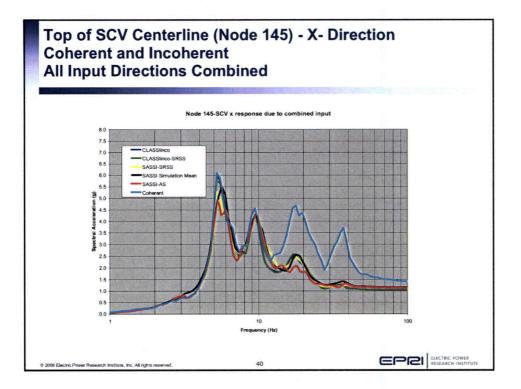


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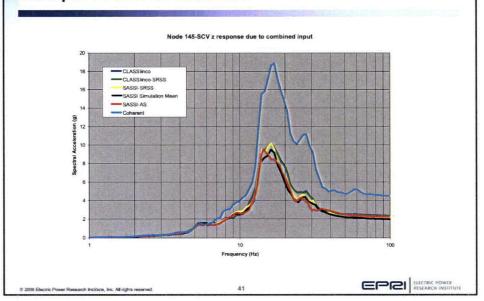


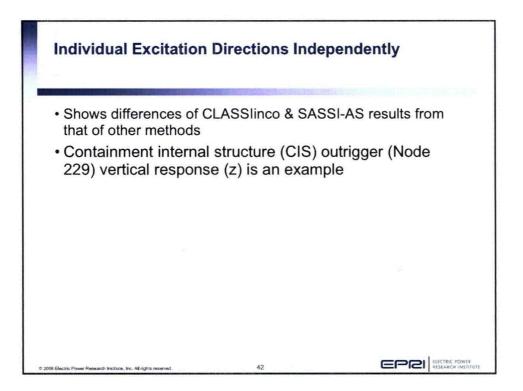


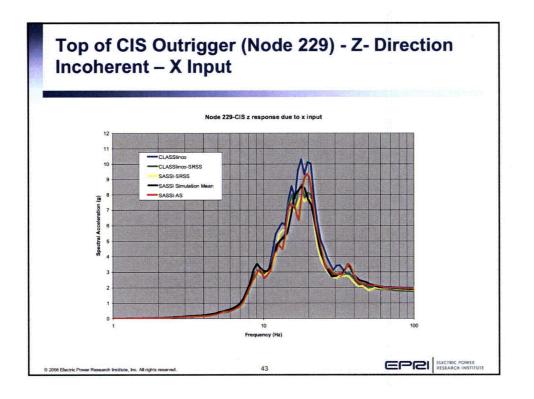


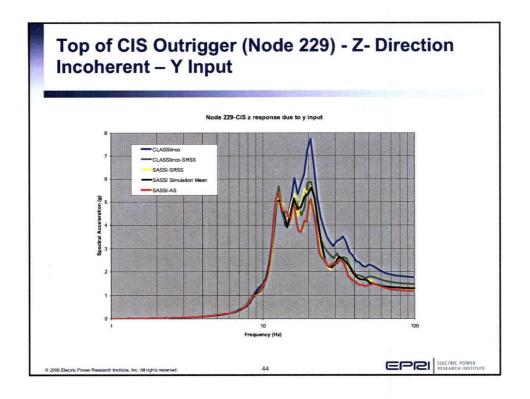


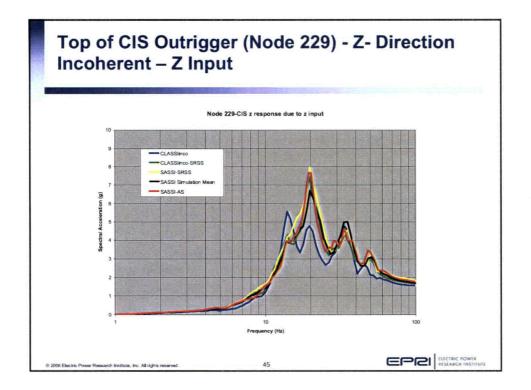
### Top of SCV Centerline (Node 145) - Z - Direction Coherent and Incoherent All Input Directions Combined

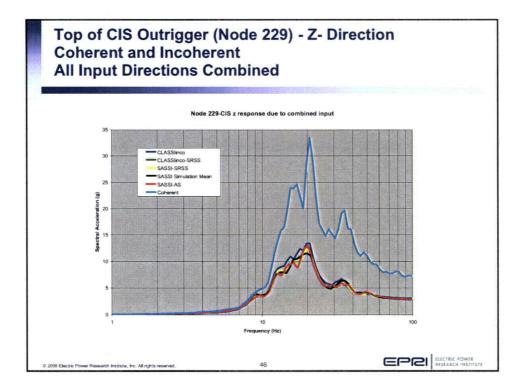


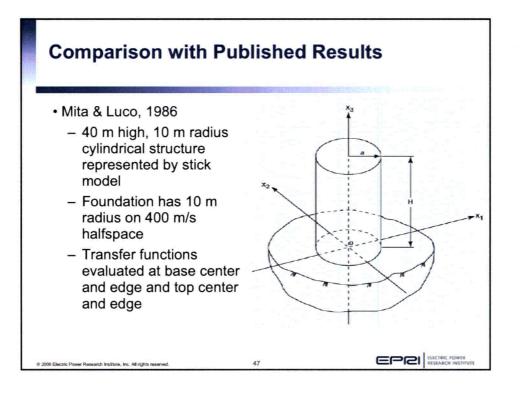


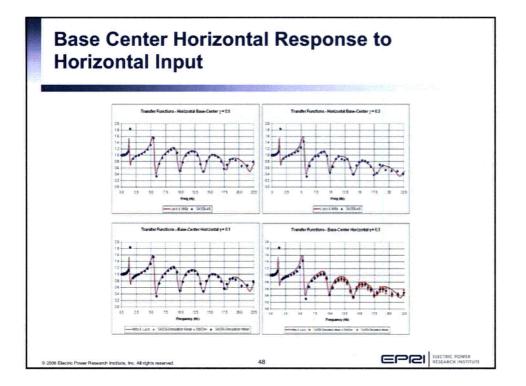


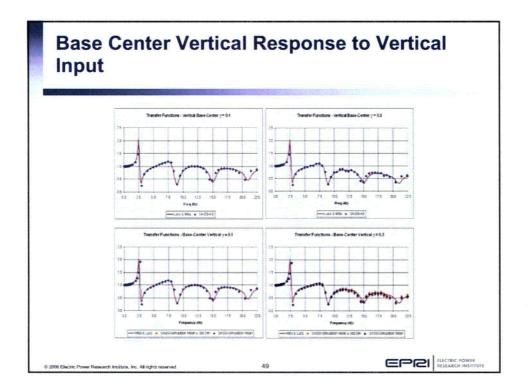












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