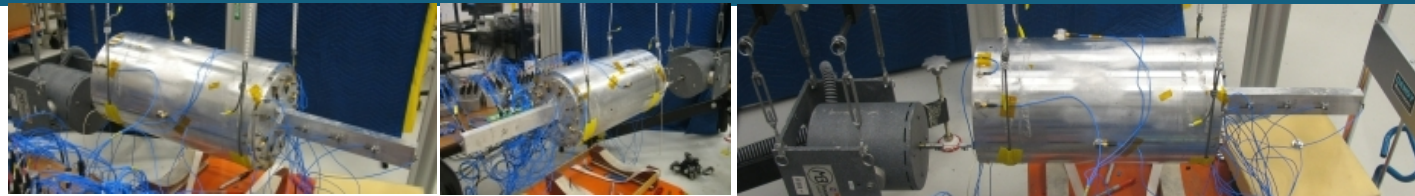
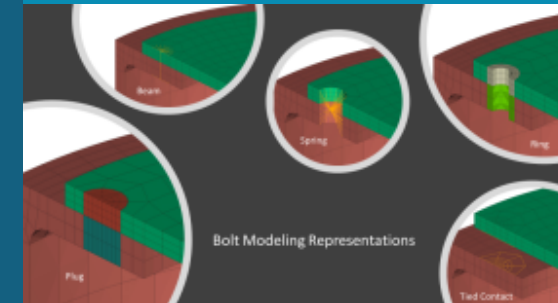




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A Comparative Study of Joint Modeling Methods and Analysis of Fasteners 10098



IMAC-XXXIX

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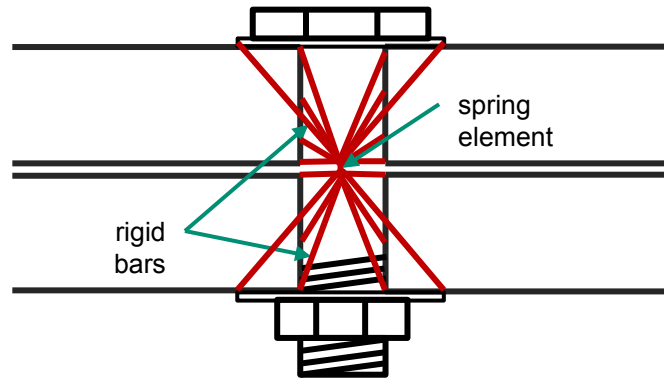
Ricardo Garcia, Michael Ross, Benjamin Pacini, Daniel
Roettgen

Sandia National Laboratories, Albuquerque, NM 87185

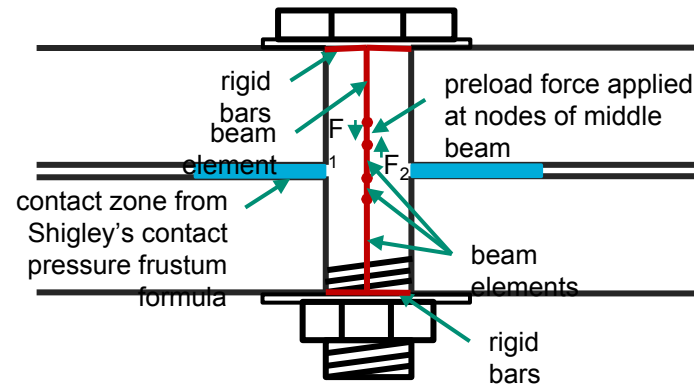


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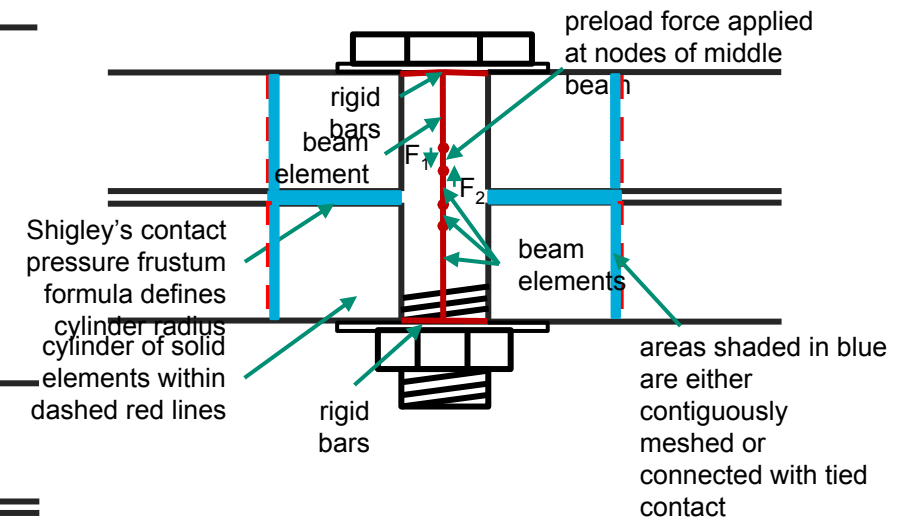
Spring Method



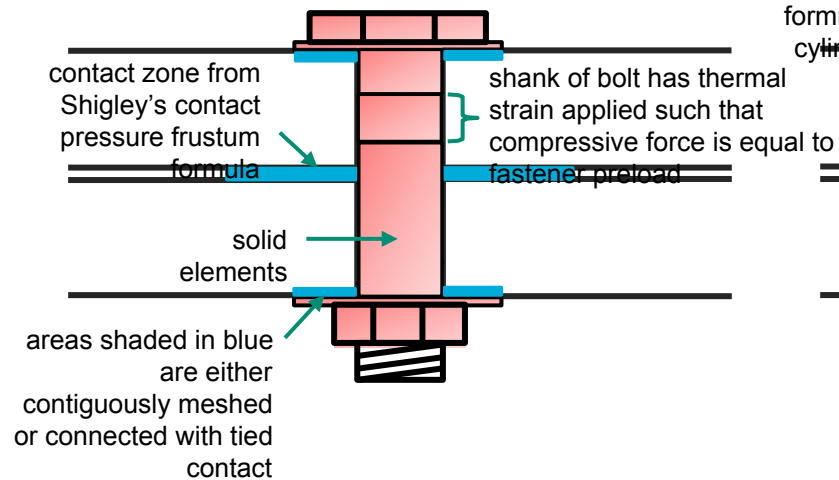
Beam Method



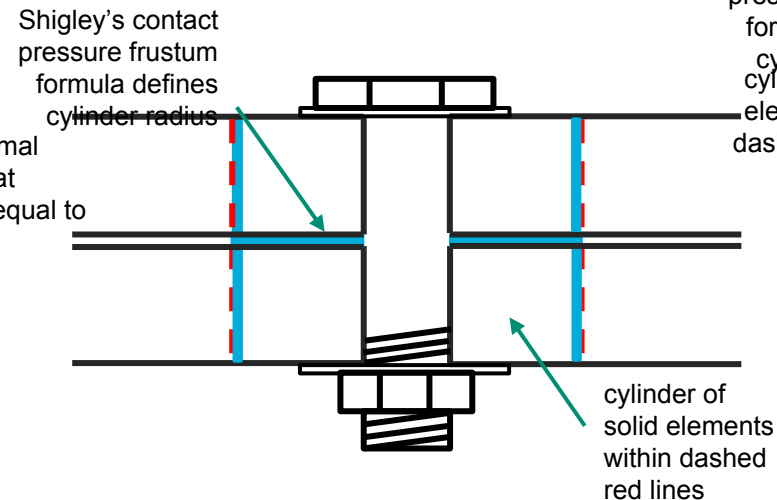
Ring-Beam Method



Plug Method



Ring Method



Cylinder-Plate-Beam Experiments

- free boundary condition modal
- burst random excitation

