

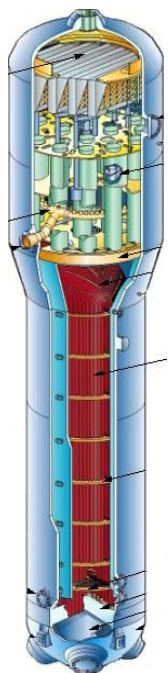


Repetitive Impact in Continuous Structures

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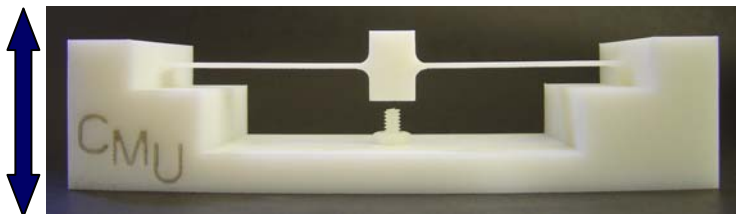
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Nuclear Applications:
Fuel Bundles and Steam
Generators

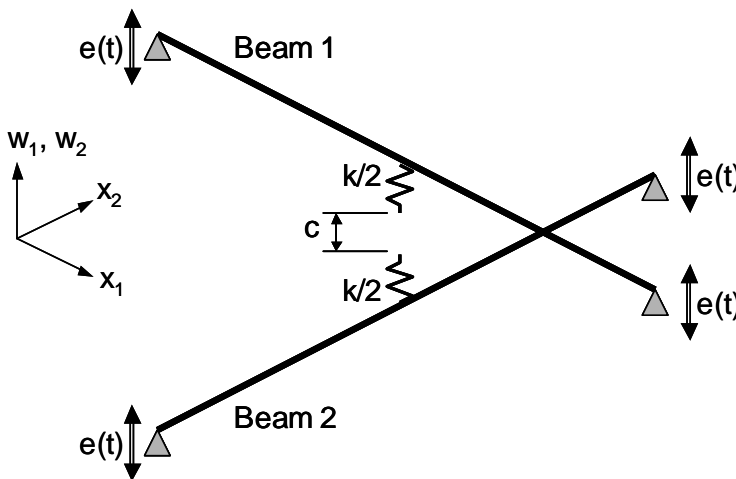


Specific Models:

Beam Impacting Stopper



Multiple Beam Impact



Current and Future Work:

- Application to real problems
 - Structural Systems
 - "Smart" Structures
 - Damage Evaluation, Health
- Supply additional experimental studies to open literature, including instrumentation research and development
- Coupled Axial, Torsional, Transverse Vibrations
- Varied Excitation, including Shock Loading

Sponsors:

- 2007 UM Research Fellow
- 2007 UM Associates Grant
- 2007 ORAU Ralph Powe Junior Faculty Achievement Award

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Multi-Function Dynamics Laboratory