Repetitive Impact in Continuous Structures

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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

Multi-Function Dynamics Laboratory

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