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Numerical analysis of multiple friction contacts in bladed disks

Mohammad Afzal, Ines Lopez Arteaga, Leif Kari

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**Highlights**

- The damping potential of multiple friction contacts on a bladed disk is analyzed.
- Its benefit compared to a single friction contact interface is demonstrated.
- A highly efficient computational model with analytical Jacobian is employed.
- Geometrical interference at the shroud contact is used to control the normal load.

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