How to predict the energy dissipation of bolted joints?

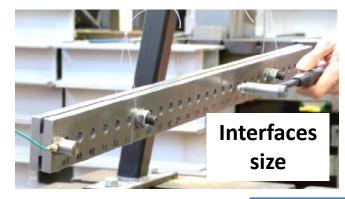




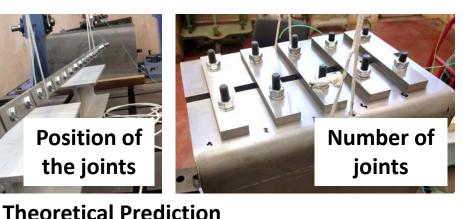




Vibrations are Unpredictable! Limit innovation, force testing. How to improve this situation? **Bolted joints** is the major source of uncertainty. **Experiments** on joints will improve our understanding.







Quantify the dominant parameters



Create model

Practical rules Design advice



Integration in Design Software