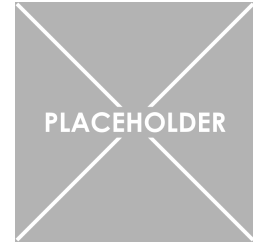
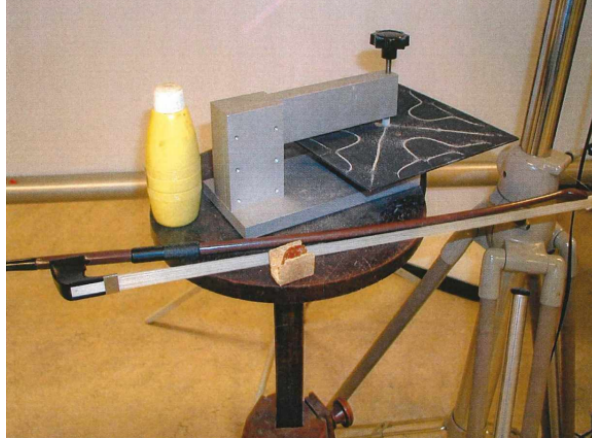


Chladni Plates

Key words: Standing waves, Vibrational modes, Resonance



Equipment List:

1. Chladni plate
2. Wooden table
3. Violin bow
4. Spreader with fine sand
5. Clamp

How to assemble and operate:

- Clamp the plate and set on the table
- Sprinkle the fine sand on the plate
- Use the violin bow on the plate edge
- Observe the patterns made by the sand while using the bow

Description/Theory:

This demonstration illustrates vibrational modes in a rigid surface at a frequency generated by the violin bow.

Comments/Notes: