

4.3.1: Torsional Waves

A third type of wave is a **torsional** or twisting wave. If you stretch a slinky out between two points and gently twist it at one end, the twist will travel down the slinky as a wave pulse. This is an example of a torsional wave. We saw two YouTube examples of bridges undergoing torsional motion in the last chapter: [twisting bridge](#), [Tacoma Narrows](#). These were examples of standing torsional waves.

Video/audio examples:

- [Transverse, longitudinal and torsional waves](#) lecture.
- [Longitudinal and transverse waves on a slinky](#).
- [Animations of different wave types](#).
- [Torsion pendulum](#) lecture demo.
- [Wilberforce Pendulum](#) which converts up and down motion to twisting motion and back.

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