

- **Good general website with wave applets:** <http://www.acs.psu.edu/drussell/demos.html>
- Ruffed grouse drumming: <http://youtu.be/MVfilp3QG4>
- **Standing Waves Explanation** (strings, clarinets, flutes...)
- doppler effect simulation:
http://www.mhhe.com/physsci/physical/jones/graphics/jones2001phys_s/ch15/others/15-6/index.html
- Simple Interactive Doppler Effect demo:
<http://www.lon-capa.org/~mmp/applist/doppler/d.htm>
- online tone generator: <http://onlinetonegenerator.com/noise.html>
- **Variety of simulations (html 5 works most consistently)** -- including standing waves and beats: <http://www.walter-fendt.de/ph14e/index.html>
- Production of a standing wave:
<http://www.physicsclassroom.com/mmedia/waves/swf.cfm>
- **Better standing wave diagrams, plus links:** <http://www.phys.unsw.edu.au/jw/strings.html>
- wave applets: <http://www.acs.psu.edu/drussell/demos/waves/wavemotion.html>
- hear beats: <http://library.thinkquest.org/19537/java/Beats.html>
- tone generator: <http://onlinetonegenerator.com/>
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- Human Ear/Hearing: <http://www.physicsclassroom.com/class/sound/u11l2d.cfm>
- Harmonics: <http://en.wikipedia.org/wiki/Harmonic>
- wikipedia, sound pressure: http://en.wikipedia.org/wiki/Sound_pressure

videos

- **stroboscopic effect with water** https://www.youtube.com/watch?v=uENITui5_jU
- **Resonance and Breaking glass:** <http://www.youtube.com/watch?v=BE827gwnnk4>
- **sonic booms and explanation:** <http://www.youtube.com/watch?v=gWGLAAYdbbc>
- **tacoma narrows bridge collapse:** <http://www.youtube.com/watch?v=3mclp9QmCGs>
- **was the tacoma narrows collapse due to resonance?**
<http://www.youtube.com/watch?v=6ai2QFxStxo>
- string standing waves 1: http://www.youtube.com/watch?v=_S7-PDF6Vzc
- string standing waves 2: <http://www.youtube.com/watch?v=no7ZPPqtZEg>
- **2-D standing waves visualized by salt on a vibrating plate:**
<http://www.youtube.com/watch?v=GtiSCBXbHAQ>
- **Standing Wave/Resonance in above ground pool** http://youtu.be/0M21_zCo6UM