

## 3306 physics laboratories, Spring 2025

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<https://www.physics.smu.edu/saptaparnab>



### Sound waves: Resources and eighth-week checklist

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#### Resources

- Weekly worksheet with mandatory and graded pre-lab submissions and information for your required preparation, experiment introductions, uncertainty analysis summary and labs: <https://www.physics.smu.edu/saptaparnab>

#### Your learning outcomes today

Keep asking your instructor until you have thoroughly understood the concept of uncertainties.

- ☐ Setup the sound waves experiment and identify the tube length for two successive resonances
- ☐ Perform error propagation based on the error in measuring the temperature

Additionally you will need to know how to

- ☐ work with jupyter-notebooks

Make use of your instructor's office hours and ask them about your graded worksheet/report or about your preparation for the following week's experiment.

**Notes:**