

# 3306 physics laboratories, Spring 2025

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



## Intro lab: Resources and second-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 each of those terms and concepts, and until you are familiar to use the necessary software. The following labs will require that you have fully understood those topics (your checklist):

- ☐ Measure the length, breadth and height of the cuboid that is given to you
- ☐ Measure the length of an arbitrary shape
- ☐ Measure the mass of the cuboid using the scale. Is it really measuring the mass?
- ☐ Measure time intervals using the  $g$ -ball
- ☐ Measure the voltage of the battery

The arbitrary shape is the following:

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:**

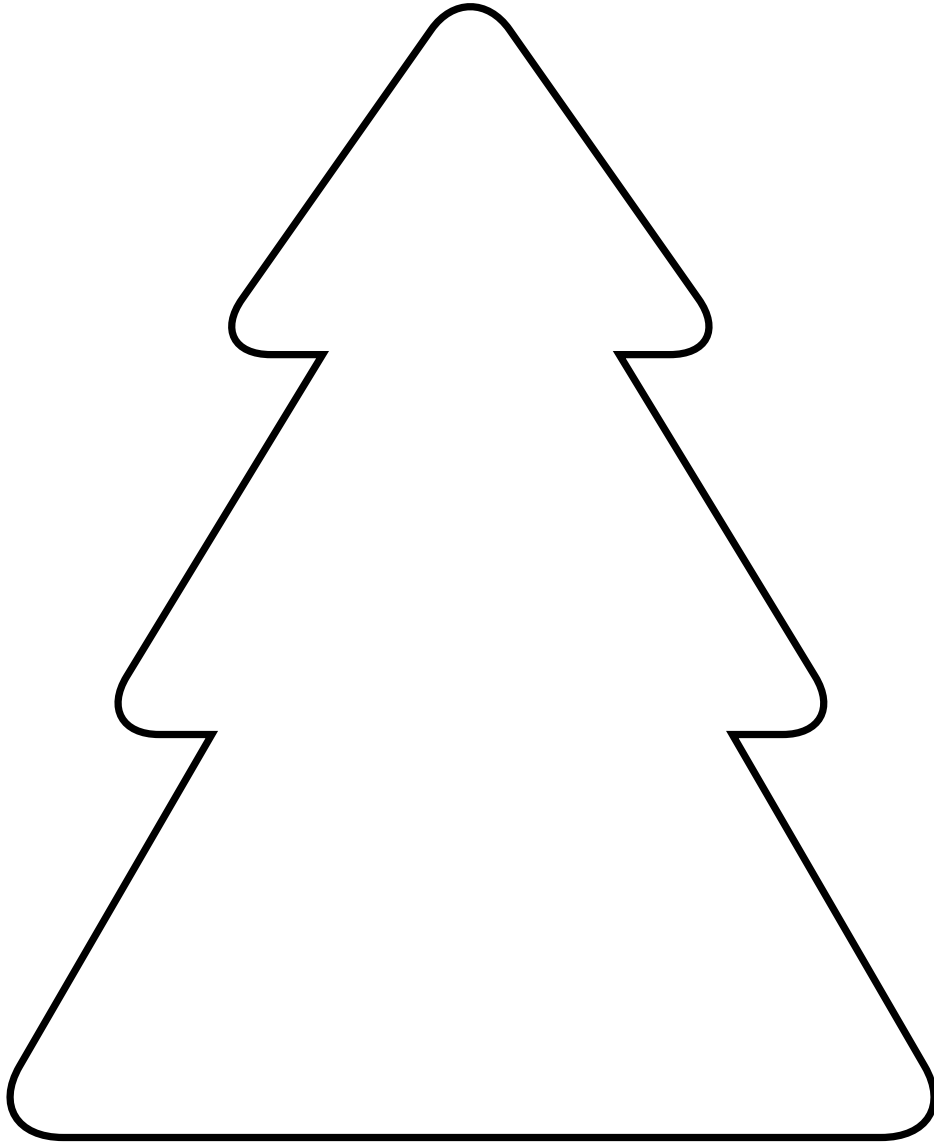


Figure 1: Outline of a stylized fir.