speaker_stands

SLQ Wiki Fabrication Lab 2024/04/29 07:12

Custom Speaker Stands

Please replace placeholder with a high quality finished outcome pic

Developed January 2021 by Andrei Maberley

Acknowledgement

We acknowledge Aboriginal and Torres Strait Islander peoples and their continuing connection to land and as custodians of stories for millennia. We respectfully acknowledge the land on which we all meet today, and pay our respects to elders past, present and emerging.

Summary

Skills Introduced

- Basic Fusion360 parametric modelling
- Layout for CNC cutting in Vcarve
- Hand tool use for assembly

Materials

This is pricing from a local big name hardware store for convenience. Shopping around to specialist suppliers will get better prices.

Material	Quantity	Cost	Supplier
17-18mm thick form-ply (2440mm x 1220mm)	1	$88.00	bunnings
unbraked castors 50mm (weight rating 30kg minimum)	4	$15.50	bunnings
braked castors 500 mm (weight rating 30kg minimum)	4	$16.60	bunnings
1200 mm m10 threaded rod	2	$14.70	bunnings
M10 washer	8	$2.00	bunnings
M10 nuts (2 spares)	8	$2.24	bunnings
stitching screws (30mm)	12	$3.98	bunnings
	Total	$143.02	

Software and Tools

Software

- Fusion360 (for personal use or full feature trial)
- Vetrics Vcarve Pro (download the trial and use our makerspace key to activate)

Tools

- 4 clamps
- 1 pair cut-proof gloves
- Adjustable spanner (fit m10)
- Sanding block (80 grit)
- Hand power drill
- 3.5mm bit
- Phillips driver bit
- Safety glasses

Preparation

Before the workshop you will need to measure your speakers and listening environment to make sure your speaker stands fit your room, and your speakers fit your stands.

Workshop Walk through

Step 1

Sub-Step 1

Sub-Step 2

Step 2

Sub-Step 2-1

Sub-Step 2-2

Step 3

Sub-Step 3-1

Sub-Step 3-2

Step 4

Sub-Step 4-1

Sub-Step 4-2

References

- Reference Link

Downloads

Add any slide presentations, instructions, software etc. here