

Sine Wave Vase and Pedestal



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Summary

A sine or cosine wave mapped around a circle and extruded to form a cool looking vase.

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Tags: [vase](#) [vasemode](#) [math](#) [mathart](#)

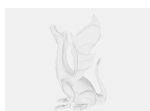
A sine or cosine wave is mapped around a circle. Then extruded and rotated pi radians over its 100mm height. I first drew the equation using a parametric line in [desmos](#)([explanation of equation included](#)). This was designed using an equation curve in Inventor 2021.

Model files



Inventor 2021 Files

6 files



sin25r5a3n.ipt



sin25r5a4n.ipt



sin25r5a5n.ipt



sin25r5a6n.ipt



pedestal-text.ipt



pedestal.ipt



sin25r5a3n.stl

☐ Print in Vase Mode



sin25r5a4n.stl

☐ Print in Vase Mode



sin25r5a5n.stl

☐ Print in Vase Mode



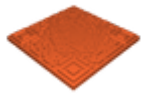
sin25r5a6n.stl

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pedestal-textipt.stl

☐ Material Switch for the text(does not require MMU)



qr-code.stl

☐ Material Switch for the QR contrast(does not require MMU)



pedestalipt.stl

☐ print normally

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