

Topographic Tutorial: Pentagon Area



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VIEW IN BROWSER

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Summary

Model of the digital elevation model of the area around the Pentagon.
Done as a learning example for terrain printing.



3.13 hrs



1 pcs



0.10 mm



0.40 mm



PLA



21 g



Prusa MINI /
MINI+

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Tags: [3dmap](#) [map](#) [pentagon](#) [topographic](#)

This model is a first download of an area using the University of Iowa's TouchTerrain service here: <https://touchterrain.geol.iastate.edu/>

In this model, we centered on the location of the Pentagon, a military headquarters, near Washington, DC, USA. Bounding box goes from upper right: (38.89101366263339 N, -77.02700035458454 E) to lower left: (38.85091899757407 N, -77.0832480657662 E). The underlying data has 10m resolution on the digital elevation data.

The vertical elevation scale factor was set to 5, to exaggerate the vertical distances. The model base was set to 0.5 mm to limit wasted base material (default is 1mm).

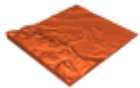
Other parameters were left as default on the web page for generating the STL.

Citation for TouchTerrain tool: <https://www.mdpi.com/2220-9964/10/3/108#cite>

Harding, Chris, Franek Hasiuk, and Aaron Wood. 2021. "TouchTerrain—3D Printable Terrain Models" ISPRS International Journal of Geo-Information 10, no. 3: 108. <https://doi.org/10.3390/ijgi10030108>

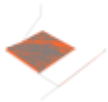
Model files

10m_-7706_3887_tile_1_1.stl



Print files

10m_pentagon_01mm_pla_mini_3h8m.gcode



PLA 0.40 mm 0.10 mm 3.13 hrs 21 g Prusa MINI / MINI+

0.1 mm for 0.4mm nozze

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