Subject: Mathematical sculptures installed at the University of Melbourne
Posted by henryseg on Mon, 20 Aug 2012 02:17:19 GMT
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These 5 large 3D printed sculptures are now installed in the Department of Mathematics and Statistics at the University of Melbourne in Australia!

The first 3 are unusual versions of surfaces: a MÃ¶bius strip, a Klein bottle and a Torus. The other two are based on two 4-dimensional polytopes, analogous to the 3-dimensional dodecahedron and icosahedron.

They were printed by Shapeways, and spray dyed by me!

File Attachments

1) unimelb_sculpture_montage_small.jpg, downloaded 208 times

Subject: Re: Mathematical sculptures installed at the University of Melbourne
Posted by carine on Fri, 24 Aug 2012 14:17:21 GMT
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These are awesome! Can you share links to the models?

Subject: Re: Mathematical sculptures installed at the University of Melbourne
Posted by henryseg on Sat, 25 Aug 2012 02:01:21 GMT
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Thanks Carine! Here are the links:

Round MÃ¶bius Strip: http://shpws.me/3WTX
Round Klein Bottle: http://shpws.me/3YKV
Clifford Torus: http://shpws.me/5m78
Half of a 120-Cell: http://shpws.me/4elhÂ
Half of a 600-Cell: http://shpws.me/3Y5h

There are also smaller (less expensive!) versions of all of the models:
http://shpws.me/3QXt
http://shpws.me/3QXb
http://shpws.me/5l4n
http://shpws.me/3QNT
http://shpws.me/3QwG

Subject: Re: Mathematical sculptures installed at the University of Melbourne
Posted by natalia on Fri, 31 Aug 2012 19:53:13 GMT
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That's amazing!

I used to walk those halls - Melbourne Uni is my old college!

:lol:

Subject: Re: Mathematical sculptures installed at the University of Melbourne
Posted by henryseg on Sun, 02 Sep 2012 07:22:52 GMT
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Here's some more nostalgia for you Natalia!

YouTube video.