

---

Subject: Math Art Sculptures

Posted by [dizingof](#) on Thu, 08 Sep 2011 14:16:21 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hey Shapeis

Math Art Sculptures / Math Jewelry i'm working on.

\*\* edit: I recommend to let the pages fully load then browse them - Enjoy !

\*\*\* edit: Free Download ! - The Gyroid XL - 100mm - Math Art By Dizingof

I'll start with some Seifert surfaces

Borromean - Math Art

Kyle - Math Art 100mm

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---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 08 Sep 2011 14:22:50 GMT  
[View Forum Message](#) <> [Reply to Message](#)

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Trio - Math Art 100mm

Aldo - Math Art 100mm

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 08 Sep 2011 14:29:41 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Gyronoi - Voronoi Gyroid

Diamond

Some jewelry ...

Gyroid Ball Pendant

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 08 Sep 2011 14:40:41 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Gyroid Block Pendant

Voronoi Sphere Pendant

Voronoi Dodecahedron Pendant

Voronoi Ring 18.5 Dia.

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 09 Sep 2011 03:07:04 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

2 Rings - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [henryseg](#) on Fri, 09 Sep 2011 04:39:33 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Very cool stuff. How do you make the network patterns on the surfaces? Are they derived from a lower resolution polygon mesh somehow?

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 09 Sep 2011 12:05:35 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

henryseg wrote on Fri, 09 September 2011 04:39Very cool stuff. How do you make the network patterns on the surfaces? Are they derived from a lower resolution polygon mesh somehow?

Much like the surface patterns on your designs

btw, your forum pic is a very cool seifert surface .

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 09 Sep 2011 19:19:50 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

By sheer coincidence, i read Duaan's blog today and saw that skull with the cool patterns... I then figured out another way to create patterns on a mesh.. by using a texture projection method (Sketchup, zbrush) and with the use of meshlab's filters get this:

Arabesque Pendant

Creativity is endless with this method - since i am not constrained to quads and triangles manipulation as seen on the models above - but with way more freedom of design using any texture possible.

(actually this is the second model i designed after reading Duaan's blog.. the first was the Voronoi Sphere Pendant)

---

Subject: Re: Math Art Sculptures  
Posted by [TurtlesAreCool](#) on Sat, 10 Sep 2011 01:18:19 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

dizingof,

I see the blog post, and I can imagine that the work required to do that manually would be crazy. I guess I assumed you were using custom algorithms to generate the meshes with holes in them.

This, if I understand correctly, is what I believe you are saying: You are using a texture to create the holes in the mesh, presumably with an alpha map. Instead of simply using the texture as a mesh displacement, you found a way to modify the mesh completely, then cleaned it up in Meshlab. Is that correct? Can you elaborate a little more? I would make patterns like what you do using NURBS curves, but it would take me quite a while with that method to replicate what you've done.

P.S. I don't know what your job is, but although I often have interesting problems to solve at my job, I do wish that I had a larger percentage of my day to work on these things. Your "Aldo" is awesome.

---

Subject: Re: Math Art Sculptures  
Posted by [henryseg](#) on Sat, 10 Sep 2011 01:49:30 GMT  
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---

dizingof wrote on Fri, 09 September 2011 12:05henryseg wrote on Fri, 09 September 2011 04:39Very cool stuff. How do you make the network patterns on the surfaces? Are they derived from a lower resolution polygon mesh somehow?

Much like the surface patterns on your designs

So far, my patterns have all come from the parametrisation of the surface. Are yours (the earlier ones in the thread) from parameterising quads and triangles?

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 10 Sep 2011 02:04:07 GMT  
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TurtlesAreCool,

Basically it's all about the 3D tools you have and how learn to use them.  
I currently juggle between maybe 4-7 different 3d tools .

Only on the last model the Arabesque Pendant, i've used this texture idea.



The rest is parametric modeling. (learned that too see the Decor::lighting thread)

Yes you are correct on your assumption - here is how i did it:  
project a texture , convert it to vertex colors, use filters to leave you only with the pattern as a mesh - smooth & refine it - then work on the final result with your 3d software.

As for time i spend on my designs , ask Virtox - he lives here !!

@henryseg, yes.

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 11 Sep 2011 00:25:38 GMT  
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Naked Trefoil Pendant

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 12 Sep 2011 03:16:21 GMT  
[View Forum Message](#) <> [Reply to Message](#)

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Quado - Math Art / Pendant

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 14 Sep 2011 01:49:30 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Another cool Voronoi model

Swirly Pendant

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 15 Sep 2011 20:47:41 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

This shape is called DuplinCyclides

DuplinCyclides Pendant

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 19 Sep 2011 04:26:45 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Figure 8

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 20 Sep 2011 07:50:14 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

This shape is called Hopf Ring

Hopf Ring - Math Art

wall thicknes is >1.0 mm

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 21 Sep 2011 03:32:06 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Ribbon - Math Art 70mm

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 21 Sep 2011 16:05:39 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

A frame inside a frame inside a frame inside...

Frames Pendant

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 23 Sep 2011 06:49:06 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Voronoi Skull 100mm

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 24 Sep 2011 06:47:08 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Voronoi Hand 100mm

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 25 Sep 2011 02:40:20 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Para - Math Art 100mm

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 27 Sep 2011 01:58:39 GMT  
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---

While browsing Engadget.com i run into a familiar shape...  
Lenovo designed a new wireless speaker with a shape called DuplinCyclides

<http://www.engadget.com/2011/09/23/lenovo-bt820-wireless-speaker-triggers-impromptu-rave-at-the-fcc/>

If you look up this thread you'll see i designed a pendant with the same shape few days ago...

DuplinCyclides Pendant



Life imitated Math..

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 01 Oct 2011 05:54:27 GMT  
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---

Virus - 100 mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 03 Oct 2011 05:18:55 GMT  
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---

Start :: End - Math Art 100mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [unellenu](#) on Mon, 03 Oct 2011 07:41:04 GMT  
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---

Beautiful , I think my favorite on is 'Aldo - Math Art 100mm'.  
Really intriguing objects.  
Janelle

---

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 03 Oct 2011 07:50:54 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thank you, Janelle  
I think so too, more to come

---

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 16 Oct 2011 13:59:12 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Mobius Klein 100mm

---

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 17 Oct 2011 14:42:01 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Z Shell 100mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 18 Oct 2011 01:22:05 GMT

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---

Honeycomb Ball 100mm

---

Subject: Re: Math Art Sculptures  
Posted by [TurtlesAreCool](#) on Tue, 18 Oct 2011 01:28:47 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I do like that shell. A lot. The raised edges around the hole is a neat innovation that really makes a neat look.

EDIT: You think you could make a smaller version of that? I bet that would look fantastic in metal, but the cost at 10 x 6.5 cm...

Perhaps the wall thickness prevents a cheaper model.

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 18 Oct 2011 11:18:04 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

[TurtlesAreCool](#) wrote on Tue, 18 October 2011 01:28: I do like that shell. A lot. The raised edges around the hole is a neat innovation that really makes a neat look.

EDIT: You think you could make a smaller version of that? I bet that would look fantastic in metal,

but the cost at 10 x 6.5 cm...

Perhaps the wall thickness prevents a cheaper model.

Thanks

The best smaller size i could do without sacrificing surface details is 60X41X40 mm - cost for stainless steel is \$58

(with parametric modeling you can resize your model to any size then add any wall thickness you need, in this case >1mm, surface details >0.6mm)

If you like i can upload it for you. markup free.

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 18 Oct 2011 17:53:25 GMT  
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---

Ok.. Due to strong demand...

Mini Z shell 60mm - Stainless Steel

---

Subject: Re: Math Art Sculptures

Posted by [TurtlesAreCool](#) on Wed, 19 Oct 2011 02:24:42 GMT

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---

Most excellent! Thanks, dizingof. As soon as I get the next batch of Christmas gifts ready, I'll have to order one of those. Gotta consolidate due to shipping, since we like Shapeways and want to help them help us.

---

---

Subject: Re: Math Art Sculptures

Posted by [pixpast.com](#) on Fri, 21 Oct 2011 08:12:31 GMT

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---

my first ever post here on this forum and can i please say....

ahhhhhh your stuff is soooooo coooooool !

i actually found this company and forum from seeing a 1 minute interview on cnn this morning.  
so amazing !!!!

i have used blender, rhino, cinema, archicad and revit.

but i still dont have a clue how you have created these wonderful cut patterns.

I have a loose idea how you could create the general forms, but cutting out the surface with these complex patterns, im really left scratching my head.....

do you have a youtube video tutorial for this ?

thanks and again, super work !

lan

---

---

Subject: Re: Math Art Sculptures

Posted by [dizingof](#) on Fri, 21 Oct 2011 09:42:10 GMT  
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---

Hey Ian, Thank you ! & welcome to shapeways

I too was scratching my head some 3 years ago when i saw some awesome models from artists on shapeways.

I'm self thought and during that time i've studied new tools and developed some modeling techniques that unfortunately i cant share - each designer has them and you will probably too in time.

Cheers

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 21 Oct 2011 16:12:13 GMT  
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Flamenco 100mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 25 Oct 2011 13:19:52 GMT  
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Flame 100mm



Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 25 Oct 2011 13:22:05 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Dove 100mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 25 Oct 2011 18:33:30 GMT  
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---

This math shape is called Stereo Sphere - i gave it a twist

Stereo Sphere 100mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 28 Oct 2011 21:32:13 GMT  
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---

Somewhat an Alien Artifact 100mm Sculpture

---

---

Subject: Re: Math Art Sculptures  
Posted by [TurtlesAreCool](#) on Fri, 28 Oct 2011 22:20:29 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

dizingof,

Your latest piece is an interesting shape, to be sure. I'm curious, though - the renders you've shown seem remarkably noisy, compared to your previous metal renders. I wonder if you noticed and attempted to compensate for this. I'm guessing the artifacts could be from dimension compression (shrinking the images from the render size causing pixelation), or from a large number of self-reflections.

No offense intended - it just struck me as odd. It seems to me that these renders are not quite up to your normal high standards. I wish I could offer more constructive criticism, but I have not achieved anything close to the sorts of renders you use to simulate the appearance of printed objects for your sales.

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 28 Oct 2011 22:35:31 GMT  
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I appreciate your comment - i did meant it to render as grainy-metallic.  
Its not rendered in this case to simulate for ex: polished silver.

Btw, the big Z Shell you liked , someone ordered it in Stainless Steel - hope he'll post some pics

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 29 Oct 2011 19:45:32 GMT  
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Freo - Math Art 100mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [Jaewo](#) on Mon, 31 Oct 2011 02:02:03 GMT  
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---

Can you provide a link to the helpful parametric modeling threads you referenced previously? Not asking you to reveal your trademark secrets but if you could point us to some resources you may have used in the past to learn this type of modeling it would be very appreciated. thanks

---

---

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 31 Oct 2011 22:45:40 GMT  
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---

Henneberg - Math Art 100mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 02 Nov 2011 04:25:09 GMT  
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Clam Shell - Math Art 100mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 03 Nov 2011 15:57:13 GMT  
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Geodesic Ball - Math Art 100mm

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 06 Nov 2011 11:04:24 GMT  
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Schwartz - Math Art 100mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 23 Nov 2011 13:14:10 GMT  
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Chaos 100mm - Math Art

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 23 Nov 2011 15:10:58 GMT  
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SpaceTime Corridors 100mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [goido](#) on Wed, 23 Nov 2011 17:55:32 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Your work is amazing!! I saw some great art in TopMod gallery but your expertise and creativity is exceptional.

---

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 23 Nov 2011 20:38:12 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

goido wrote on Wed, 23 November 2011 17:55Your work is amazing!! I saw some great art in TopMod gallery but your expertise and creativity is exceptional.

Wow Thank you.



The 2 last models i posted were made with topmod + extra parametric modeling work - they are the same model.... the last one is a flattened version of the one before it - all the tentacles crushed on the ball's surface which instantly reminded me a "wormhole" apertures. (Einstein-Rosen bridge)

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 24 Nov 2011 05:32:04 GMT  
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---

This one's base made with K3dsurf using Klien4D, 4D HyperObject.

Each Shell is intertwined with the other.

Double Shell 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [goido](#) on Thu, 24 Nov 2011 18:55:02 GMT  
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---

Spectacular! Which one would you recommend for a novice, TopMod or K3dsurf? Are these files easy to 3d printing or you need massive massaging in Blender.

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 24 Nov 2011 19:53:15 GMT  
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---

With topmod you'll get solid objects, with k3dsurf only surfaces which require additional work.

Test the waters with topmod - there are lots of tutorials on YouTube.

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 28 Nov 2011 03:03:37 GMT  
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4-Foil - Math Art 126mm

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 01 Dec 2011 08:56:46 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

This shape is called Klein 4D.

Klein 4D 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 01 Dec 2011 18:39:30 GMT  
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---

This one is called Lawson Helicoidal , a strange and mind boggling..

Lawson Helicoidal 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 02 Dec 2011 14:28:41 GMT

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Costa Surface 100mm - Math Art

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 03 Dec 2011 08:43:34 GMT  
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Escher #1 - Math Jewelry

Escher #2 - Math Jewelry

---

---

Subject: Re: Math Art Sculptures  
Posted by [Magic](#) on Sat, 03 Dec 2011 10:09:05 GMT  
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---

Really like this ones, in particular #1. Good job!

---

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 03 Dec 2011 14:59:56 GMT  
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---

ahhh... @Magic.... Merci !

This one i call...

Paris 100mm - Math Art

---

---

Subject: Re: Math Art Sculptures  
Posted by [Magic](#) on Sat, 03 Dec 2011 16:38:22 GMT  
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---

Ah... Paris sera toujours Paris...

---

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 04 Dec 2011 06:46:25 GMT  
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---

This weekend i added some 4 new 3D tools to my work-inventory which will enable me to create some more "awesomeness".. if time permits and...

@Magic... eh Voila...

Paris Pendant - Math Jewelry

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 04 Dec 2011 10:07:26 GMT  
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Omicron 100mm - Math Art



---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 06 Dec 2011 10:29:59 GMT  
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Mobius the 4th - Math Jewelry

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 06 Dec 2011 12:17:52 GMT  
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Mobius the 4th - Bracelet - Math Jewelry

Subject: Re: Math Art Sculptures  
Posted by [goido](#) on Tue, 06 Dec 2011 19:02:51 GMT  
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Wonderful art and jewelry as usual!! How many of these projects you have actually 3d printed with Shapeways? All these intricate shapes are they easy to print and polish?

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 06 Dec 2011 19:29:40 GMT  
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---

goido wrote on Tue, 06 December 2011 19:02: Wonderful art and jewelry as usual!! How many of these projects you have actually 3d printed with Shapeways? All these intricate shapes are they easy to print and polish?

Thanks.

Every model no mater how intricate is carefully checked for lower then 1mm minimum wall thickness and other printing guidelines, so each material on the list is a perfect fit.

(currently shop is offline..)

As for polishing.. only open surfaces can be polished by hand, (if you chose metal) - the rest will have thin grainy look.

Since most of my models are 100mm and above, polishing is done relatively easy by the production team.

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 07 Dec 2011 10:04:17 GMT  
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Math Bracelet #1

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 07 Dec 2011 10:46:05 GMT  
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Math Bracelet #2

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 08 Dec 2011 10:02:10 GMT  
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Merge - Math Jewelry

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 08 Dec 2011 23:34:13 GMT  
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Star Pendant - Math Jewelry

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 09 Dec 2011 23:37:10 GMT  
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Odo 125mm - Math Art

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 10 Dec 2011 17:01:06 GMT  
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4 Faces Mobius 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 11 Dec 2011 17:03:06 GMT  
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3 Faces Mobius 100mm - Math Art

---

Subject: Re: Math Art Sculptures



Posted by [dizingof](#) on Sun, 11 Dec 2011 21:35:46 GMT  
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6 Faces Mobius 100mm - Math Art

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 12 Dec 2011 14:25:41 GMT  
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2 Face Mobius 100mm - Math Art

Btw Shapies...

The Omicron is free for download

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 15 Dec 2011 20:09:01 GMT  
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---

Gyroid revisited this time XL size.

Gyroid XL - 100mm X 100mm X 100mm

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 19 Dec 2011 20:11:27 GMT  
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ShellZ 100mm - Math Art

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 19 Dec 2011 21:40:13 GMT  
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---

Based on the same (above) shell surface

Love Shells Necklace

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 21 Dec 2011 12:29:01 GMT  
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Double Gyroid - 2 Gyroids intertwined but not connected to each other - both form a shape of a cube.

Double Gyroid - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 23 Dec 2011 10:03:06 GMT  
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Klien Knot Sphere 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 24 Dec 2011 19:37:43 GMT  
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Swirly Star Necklace - Math Jewelry

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 31 Dec 2011 01:31:50 GMT  
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Kaio 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 31 Dec 2011 23:09:36 GMT  
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---

Happy New Year everyone !

Toro 100mm - Math Art

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 01 Jan 2012 21:22:22 GMT  
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Stack few Schwartz, intersect with a ball then post process

Schwartz! Ball - Math Art

edit: design revised - borders emphasized.

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 02 Jan 2012 16:28:58 GMT  
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Gyroid Heart Necklace - Math Jewelry

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 02 Jan 2012 18:45:19 GMT  
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Following the successful Aldo - Math Art - this one is the Origin

Origin 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 03 Jan 2012 20:04:23 GMT  
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Voronoi Moebius 100mm - Math Art



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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 03 Jan 2012 21:34:49 GMT  
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---

Using the above model as a Math Jewelry too.

Voronoi Moebius Necklace - Math Jewelry

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 04 Jan 2012 17:58:13 GMT  
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Mobius Continuum 100mm - Math Art

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 05 Jan 2012 18:03:34 GMT  
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Olson 100mm - Math Art

---

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 06 Jan 2012 20:28:23 GMT  
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---

If you misses out on the Free to Download - Omicron 100mm - Math Art by Dizingof , this one is the next version.

Omicron Plus 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 07 Jan 2012 19:02:59 GMT  
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Hyper Helicoidal 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 09 Jan 2012 00:45:19 GMT  
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Mobius Cocoon Necklace - Math Jewelry

---

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 10 Jan 2012 15:37:31 GMT  
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Oron Necklace - Math Jewelry

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 13 Jan 2012 14:24:57 GMT  
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Toupie 100mm - Math Art

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 13 Jan 2012 19:34:23 GMT  
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Umbilic Torus 100mm - Math Art

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 13 Jan 2012 23:03:20 GMT  
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The mysterious Oloid 80mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 14 Jan 2012 22:19:57 GMT  
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8 Torus 100mm - Math Art

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 15 Jan 2012 18:47:44 GMT  
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Bellerophina Shell - Math Art



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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 15 Jan 2012 20:39:00 GMT  
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Horn 100mm - Math Art

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 17 Jan 2012 03:09:18 GMT  
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Double Cone 10cm - Math Art

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 17 Jan 2012 17:17:14 GMT  
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Twisted Sphere 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 18 Jan 2012 01:15:54 GMT  
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Sphericon 100mm - Math Art

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 18 Jan 2012 04:18:41 GMT  
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The following model is a pure 3D modeling math.  
Mesh created with k3dsurf then processed with parametric modeling tools.

Nautica Stellata 100mm - Math Art

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 18 Jan 2012 18:21:44 GMT  
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---

Based on the same technique as the above model:

An apple LED Light Shade 100mm - Math Art

On the bottom i cut a 2cm hole to insert any LED fixture - up to 3 Watts.

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 19 Jan 2012 17:28:04 GMT  
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24 Cells 100mm - Math Art

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 19 Jan 2012 19:08:58 GMT  
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120 Cells 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 20 Jan 2012 18:37:48 GMT  
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Jeener's Klein 100mm - Math Art

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 21 Jan 2012 00:00:50 GMT  
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Jeener's Klein Surface 2 - 100mm - Math Art

I think i'll make this one also for Glazed ceramics with connecting holes opened



---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 21 Jan 2012 19:33:54 GMT  
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Here is the Glazed Ceramics version

Jeener's Klein for Glazed Ceramics - Math Art

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---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 22 Jan 2012 19:12:29 GMT  
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600 cells 100mm - Math Art

---

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 22 Jan 2012 20:04:18 GMT  
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Thrive 100mm - Math Art

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 26 Jan 2012 01:15:59 GMT  
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Braided Torus 60mm - Math Art

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 26 Jan 2012 01:30:04 GMT  
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Antisymmetric Torus Pendant - Math Jewelry

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 26 Jan 2012 10:12:39 GMT  
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Convergence Pendant - Math Jewelry

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 27 Jan 2012 20:45:32 GMT  
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Antisymmetric 2 Pendant - Math Jewelry

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Wed, 01 Feb 2012 21:37:29 GMT  
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Weaved Trefoil Knot Pendant - Math Jewelry

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---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 02 Feb 2012 17:10:32 GMT  
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Using special technique to carve patterns onto a mathematical shape. Minimum wall thickness >1mm

Sphere3D #1 Pendant - Math Jewelry

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 02 Feb 2012 17:12:38 GMT  
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Sphere3D #2 Pendant - Math Jewelry

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Thu, 02 Feb 2012 21:51:38 GMT  
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For Dragons fans...

Sphere3D #3 Pendant - Math Jewelry

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Fri, 03 Feb 2012 20:42:11 GMT  
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Cosine Surface - 100mm - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 04 Feb 2012 03:33:58 GMT  
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Something for Valentine Day...

Sphere of Love Pendant - Math Jewelry

(\*renders)

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Mon, 06 Feb 2012 04:20:51 GMT  
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Math Art in full color sandstone. Beautiful !

(If you want it in a bigger size let me know - i didn't realize how affordable full color sandstone has become - only \$0.75 cm<sup>3</sup> - so this one is only 60mm wide)

Conix Snake Full Color 60mm - Solid - Math Art

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 07 Feb 2012 23:54:20 GMT  
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The 5cm Polymide Schwartz is popular in my shop so i thought i'd make it bigger and thicker for Glazed Ceramics.

Put permanent flowers from the top and place on kitchen table, window etc..

10cm tall. 5mm wall thickness evenly.

Schwartz Vase - Glazed Ceramics

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sat, 11 Feb 2012 01:00:33 GMT  
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---

Free Download ! - The Gyroid XL - 100mm

Enjoy !

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Tue, 14 Feb 2012 11:41:16 GMT

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Shell Pendant - Math Jewelry

Shell Earrings - Math Jewelry

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 19 Feb 2012 05:48:19 GMT  
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Trianguloid Trefoil 100mm - Math Art

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Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 19 Feb 2012 05:50:29 GMT  
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Trianguloid Trefoil Pendant - Math Jewelry

---

---

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 19 Feb 2012 09:29:36 GMT  
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Dini's Surface Pendant - Math Jewelry

Subject: Re: Math Art Sculptures  
Posted by [dizingof](#) on Sun, 19 Feb 2012 09:43:44 GMT  
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Dini's Surface Earrings - Math Jewelry

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Subject: Re: Math Art Sculptures  
Posted by [CityGenerator](#) on Sun, 09 Sep 2012 14:23:37 GMT  
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I know this is an old thread but I just had to respond. I was surprised to find that I could only find your images but no models. Great work.

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