Subject: The Sphere Cup
Posted by Magic on Sun, 16 Jun 2013 20:42:56 GMT
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I had not designed a coffee cup for a long time. The previous one was the Moebius Cup I think.
So here is a new one.
The Sphere Cup:

This cup should contain 50ml of coffee, enough for an espresso.
Its design is very simple: it is only made of spheres and planes. the advantage of the sphere is that it contains a maximum of volume for a minimum of surface.
I used a new technique of modeling to insure a constant thickness and no sharp angle.

I hope you will like it. Any feedback is welcomed.

Subject: Re: The Sphere Cup
Posted by mkroeker on Sun, 16 Jun 2013 20:49:45 GMT
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Not sure if this is the feedback you wanted, but "the model is private"

Subject: Re: The Sphere Cup
Posted by Magic on Sun, 16 Jun 2013 21:42:24 GMT
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Sorry about that (kind of beginner's mistake, shame on me!).

Subject: Re: The Sphere Cup
Posted by Magic on Sun, 16 Jun 2013 22:02:25 GMT
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I realize that perhaps it is not easy to understand the shape of the handle: it is a flat portion of disc

filling the void left when removing from the initial sphere another sphere of the same size. A second disc makes the bottom of the cup.
I added a picture, upside down, to clarify:

Subject: Re: The Sphere Cup
Posted by mkroeker on Tue, 18 Jun 2013 15:35:08 GMT
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Looks good as a conversation piece, but probably not easy to grip and might get uncomfortably hot ?

Subject: Re: The Sphere Cup
Posted by Magic on Tue, 18 Jun 2013 19:24:18 GMT
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Well, I hope you can put your fingers far enough from the hot inner surface, but this is something to check. Regarding the grip, the model is quite small and even with coffee inside, it will e relatively light, so I hope you can grab it!
But, this being said, you are right: I designed this cup more with aesthetical considerations in mind than functional ones .

This will be also the case with my next cup that is currently being uploaded....
Stay tuned.

Subject: Re: The Sphere Cup
Posted by Magic on Tue, 18 Jun 2013 21:00:16 GMT
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I took me more time than expected because my first version was too big (100ml) and thus too expensive: like the Sphere Cup, this new version should contain 50ml of espresso.
Here is the Not So Concave Cup.

This is an upgrade of the Concave Mug: its new shape is more efficient in terms of capacity (that's why I made it smaller). But it is not as concave as the initial shape, thus its weird name.
Only the inner sphere should be hot (hopefully).

Subject: Re: The Sphere Cup
Posted by bartv on Fri, 21 Jun 2013 09:16:47 GMT
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Thumbs up!!

Subject: Re: The Sphere Cup
Posted by Magic on Fri, 21 Jun 2013 11:10:54 GMT
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Thanks Bart. I ordered both of them this morning. I will post pictures as soon as I receive them.

Subject: Re: The Sphere Cup
Posted by mkroeker on Sat, 22 Jun 2013 13:33:30 GMT
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Concave cup rocks

Subject: Re: The Sphere Cup
Posted by Magic on Sun, 23 Jun 2013 19:13:21 GMT
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Thank you mkroeker

Subject: Re: The Sphere Cup
Posted by Magic on Thu, 11 Jul 2013 20:16:16 GMT
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I forgot to mention here that they arrived!

Subject: Re: The Sphere Cup
Posted by Magic on Tue, 16 Jul 2013 06:28:08 GMT

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Concerning the Not So Concave Cup, even if it is not as a suitable cup as I expected, I love the shape so I will keep it. But I decided to rename it. When I showed it someone told me that it looked like an hypercube. And this is true. So I decided to rename it Hypersphere, and I designed its little brother, the Hypercube.

What those objects are intended for? I let you decide! Personally, I just love them!

But instead, I have good hope that the Half-Hypersphere will be suitable as an espresso cup.