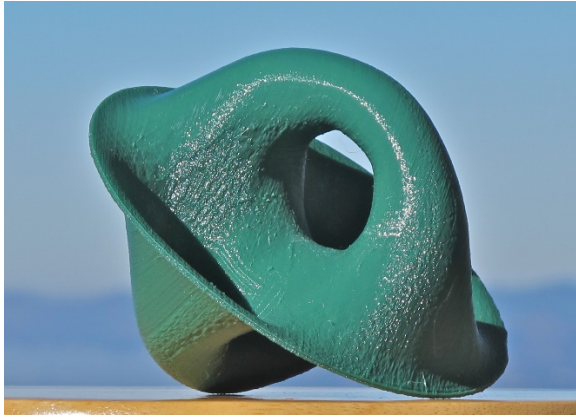
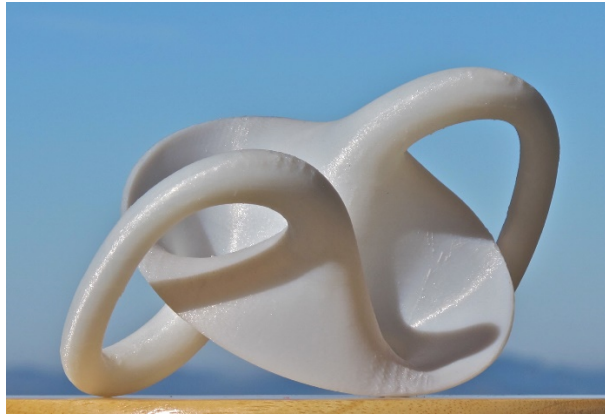


Multiple 4-stub Dyck funnels linked into symmetrical clusters based on Platonic and Archimedean polyhedra

Introducing the basic 4-stub Dyck funnel:



Single funnel, two handles, 2-sided surface.



Single funnel, two cross handles, single-sided surface.



Four funnels, 8 handles, 2-sided surface.

Regular clusters:



Tetra-cluster, 6 funnels, genus 14.



Cube-cluster, 12 funnels, genus 26.



Octa-cluster, 12 funnels, genus 26.



Dodeca-cluster, 24 funnels, genus 50.