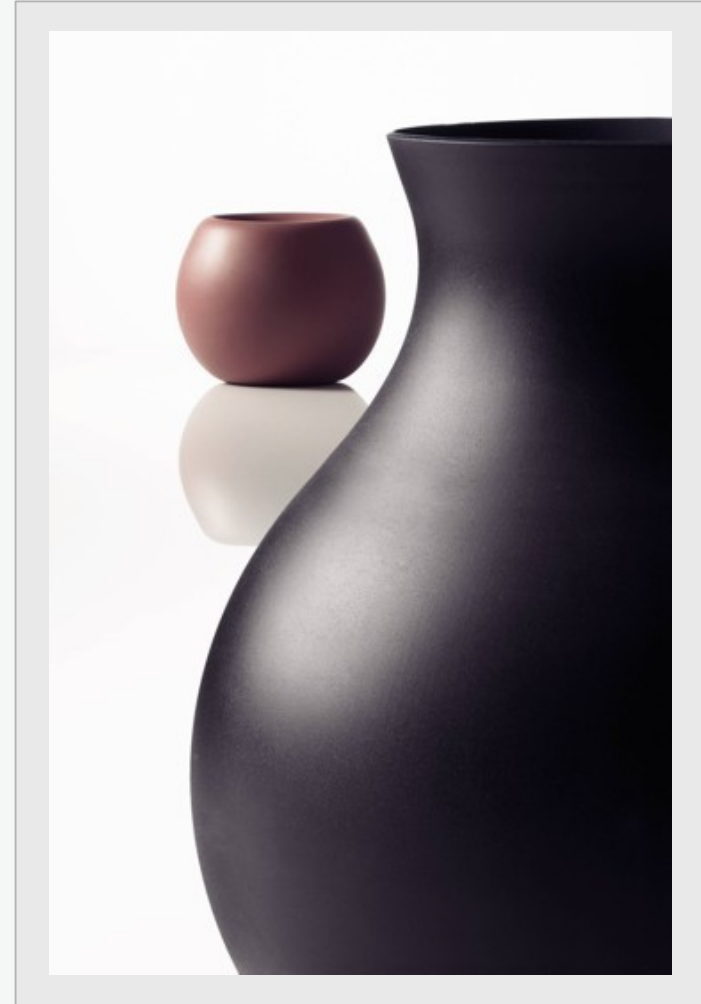
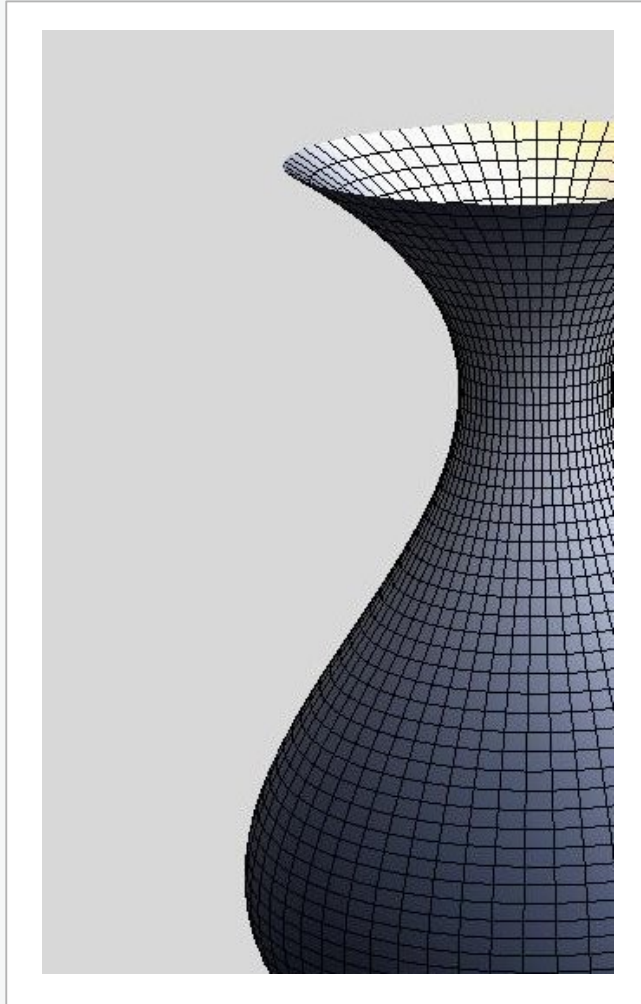
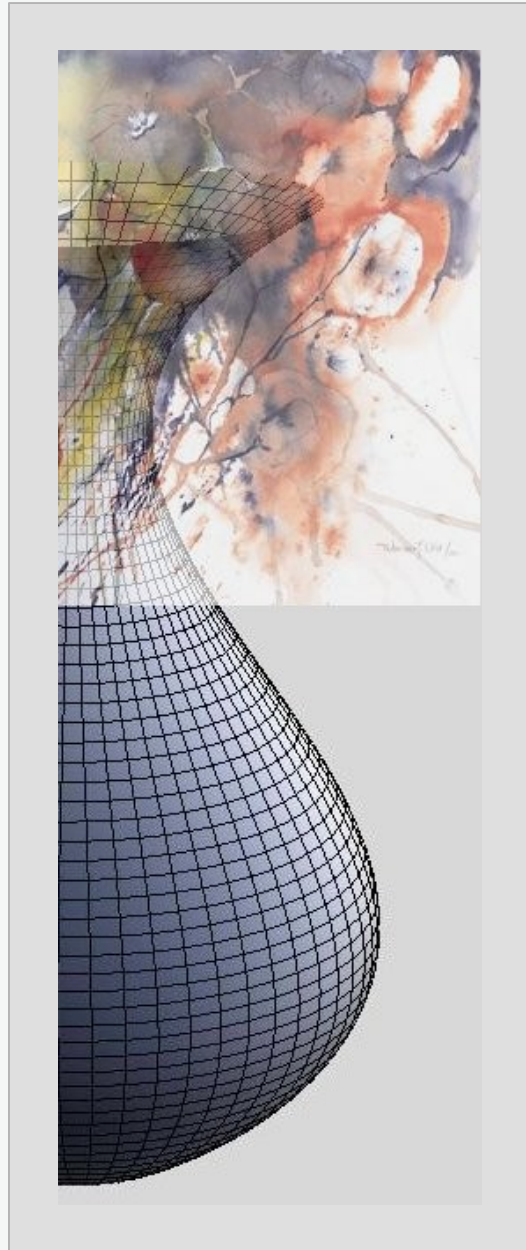


Beispiel 4: Vase



<http://www.resch.it/smartedit/webvorlage/RubberVase01.jpg>

Vase: Parameterform



$$x = u$$

$$y = \frac{1}{5} (u^3 + 2u^2 - 2u + 2) \sin v$$

$$z = \frac{1}{5} (u^3 + 2u^2 - 2u + 2) \cos v$$

Blumen: http://www.uhl-art.at/uhl-art/galerie_blumen.php

Beispiel 5



<http://www.suveni.ru/images/catalog/zoom/0025ab.jpg>

Beispiel 5: Helicoid

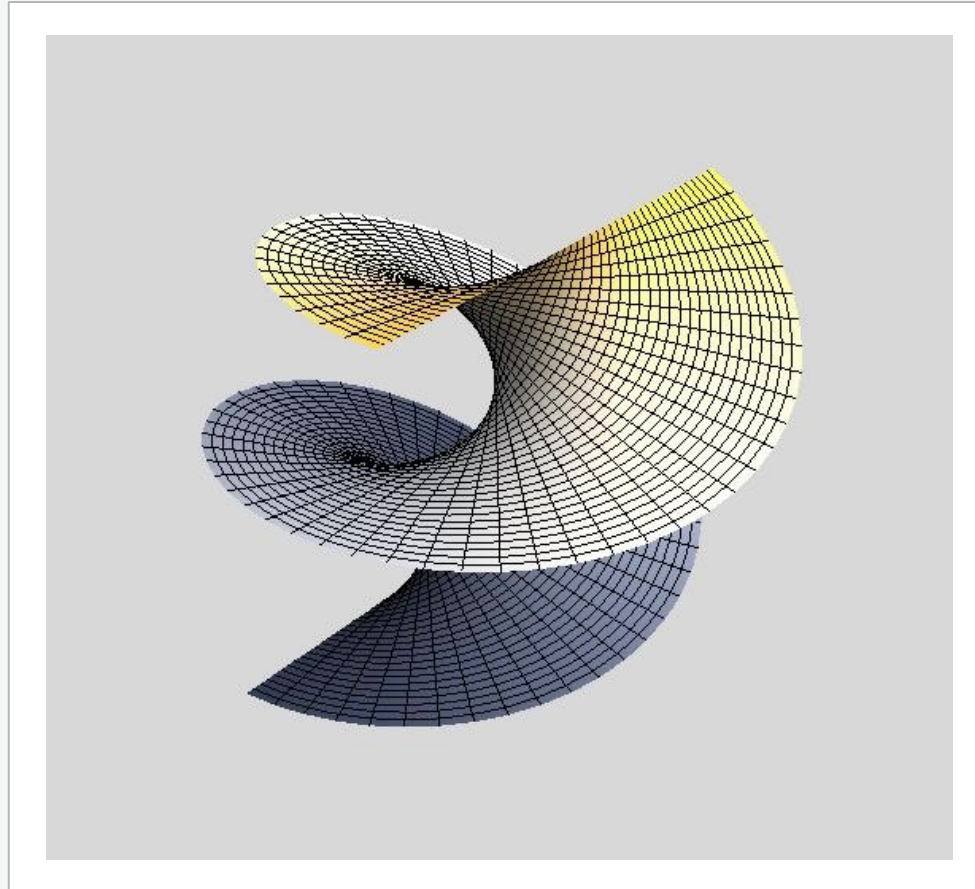


Abb. 8: Helicoid

$$x = u \cos v, \quad y = u \sin v, \quad z = c \sin v$$

$$-2 \leq u \leq 2, \quad 0 \leq v \leq 2\pi$$

Beispiel 6: Muschel



<http://mcclungmuseum.utk.edu/archives/shells/images/sh-img5.jpg>

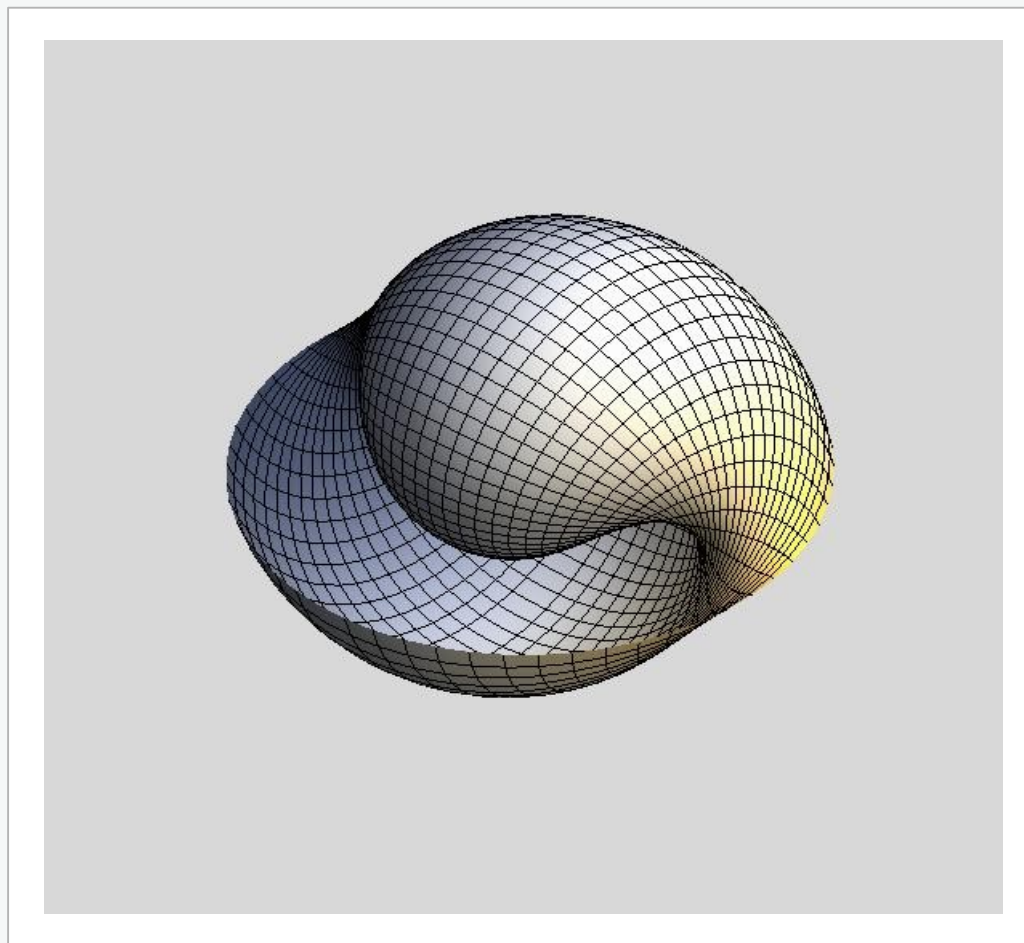


Abb. 9: Muschel

$$x = u \cos v \sin u, \quad y = u \cos u \cos v, \quad z = -u \sin v$$

$$0 \leq u \leq 2\pi, \quad -\pi \leq v \leq \pi$$