SUPPLEMENTARY MATERIAL TO

"Curvygons and Curvyhedra: 2D/3D Shapes that Smoothly Morph from Circles/Spheres to Circumscribed Polygons/Polyhedra"

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Supplementary multimedia files are provided with the main manuscript. The supplementary files fall in two categories.

SUPPLEMENTARY VIDEO FILES (.MP4)

These provide animated versions of several figures in the main manuscript. The video filenames point to the corresponding figure number, and give a short description of the topic of the animation:

- FIG09_curvygons_compensation.mp4
- FIG12a_polygon_morphing_Rinner.mp4
- FIG12b_polygon_morphing_Router.mp4
- FIG12c_polygon_morphing_Ybounds.mp4
- FIG13_animation_slide.mp4
- FIG14a_UI_elevator_indicator.mp4
- FIG14b_UI_mediaplayer.mp4
- FIG17_engineering_geardesign.mp4

SUPPLEMENTARY 3D GEOMETRY FILES (.STL.ZIP)

These provide STL renderings of some 3D shapes discussed in the main manuscript. The STL files are in ASCII format and have therefore been zip compressed to reduce file sizes significantly. Once unpacked from the zip archive, STL files can be viewed on screen and 3D-printed.

Note for fellow macOS users: STL files can be opened and freely rotated either directly in Finder (by pressing spacebar on the file), or by opening the file in Preview.

The filenames point to the corresponding figure number in the main manuscript, and indicate the name of the shape (and value of the shape parameter s if applicable):

- FIG10a_sphone_s0.2.stl.zip
- FIG10a_sphone_s0.5.stl.zip
- FIG11a_tetraspheron_s0.3.stl.zip
- FIG11a_tetraspheron_s0.6.stl.zip
- FIG11b_dodecaspheron_s0.3.stl.zip
- FIG11b_dodecaspheron_s0.6.stl.zip
- FIG11c_parallelespheron_s0.3.stl.zip
- FIG11c_parallelespheron_s0.6.stl.zip
- FIG15a_vase.stl.zip
- FIG15b_bowl.stl.zip

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