CS 3451 – Computer Graphics – Project 07

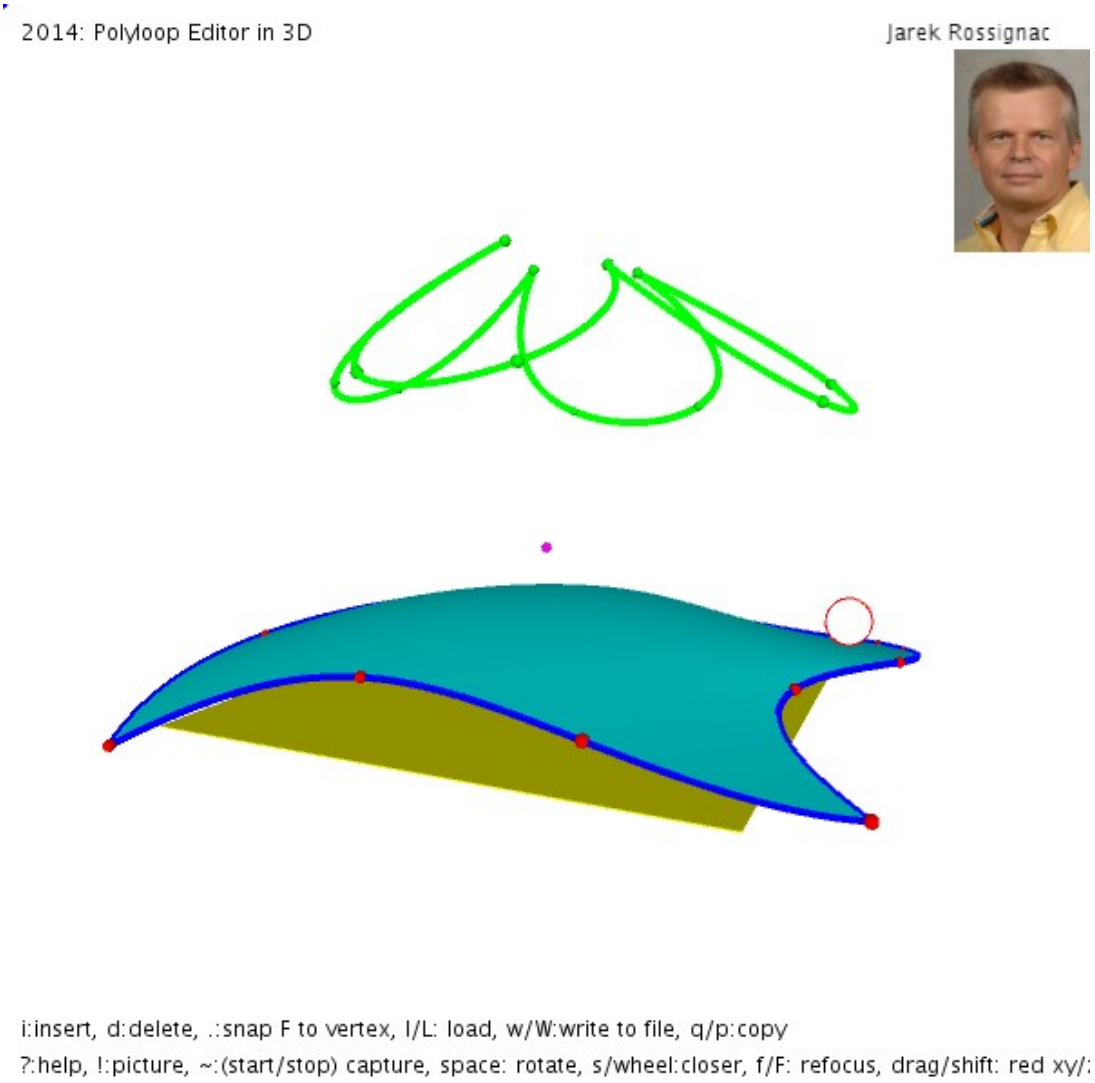
Individual. Due Oct 23.

Project description:

- Modify the sketch provided so that it uses the 12 interpolating points as the boundary of a coons patch surface which should be shown in cyan with a blue border.
- The 4 boundary curves should be each a cubic interpolating curve.
- Provide a toggle for displaying the red and green curves either as a control polyloop or as the 3 cubic curves (see pictures).

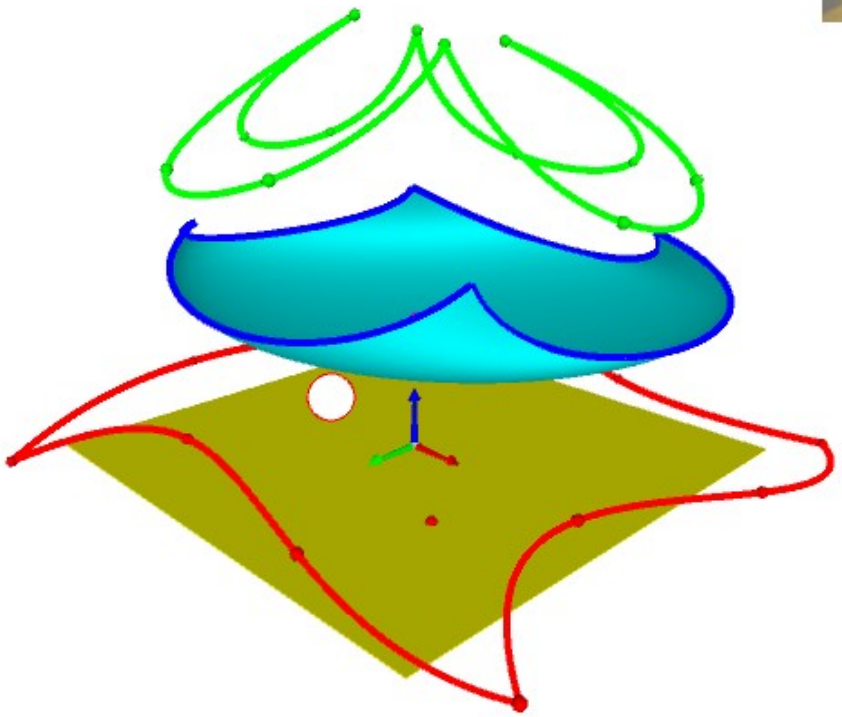
Deliverables:

- Source code
- Video showing an interesting animation of the coons patch surface and some user action to edit one of the control loop
- No report



2014: PolyLoop Editor in 3D

Jarek Rossignac



i:insert, d:delete, .:snap F to vertex, l/L: load, w/W:write to file, q/p:copy
?:help, !:picture, ~:(start/stop) capture, space: rotate, s/wheel:closer, f/F: refocus, drag/shift: red xy/:

2014: PolyLoop Editor in 3D

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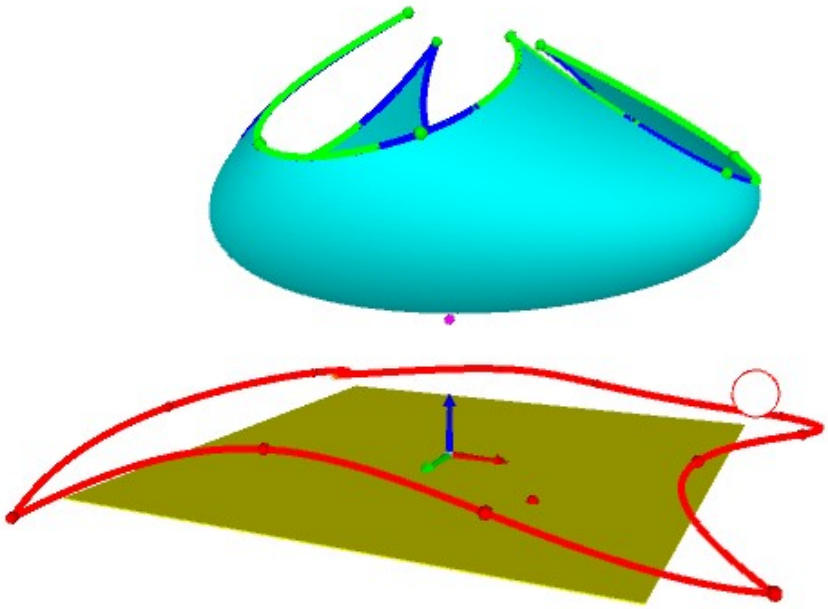

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