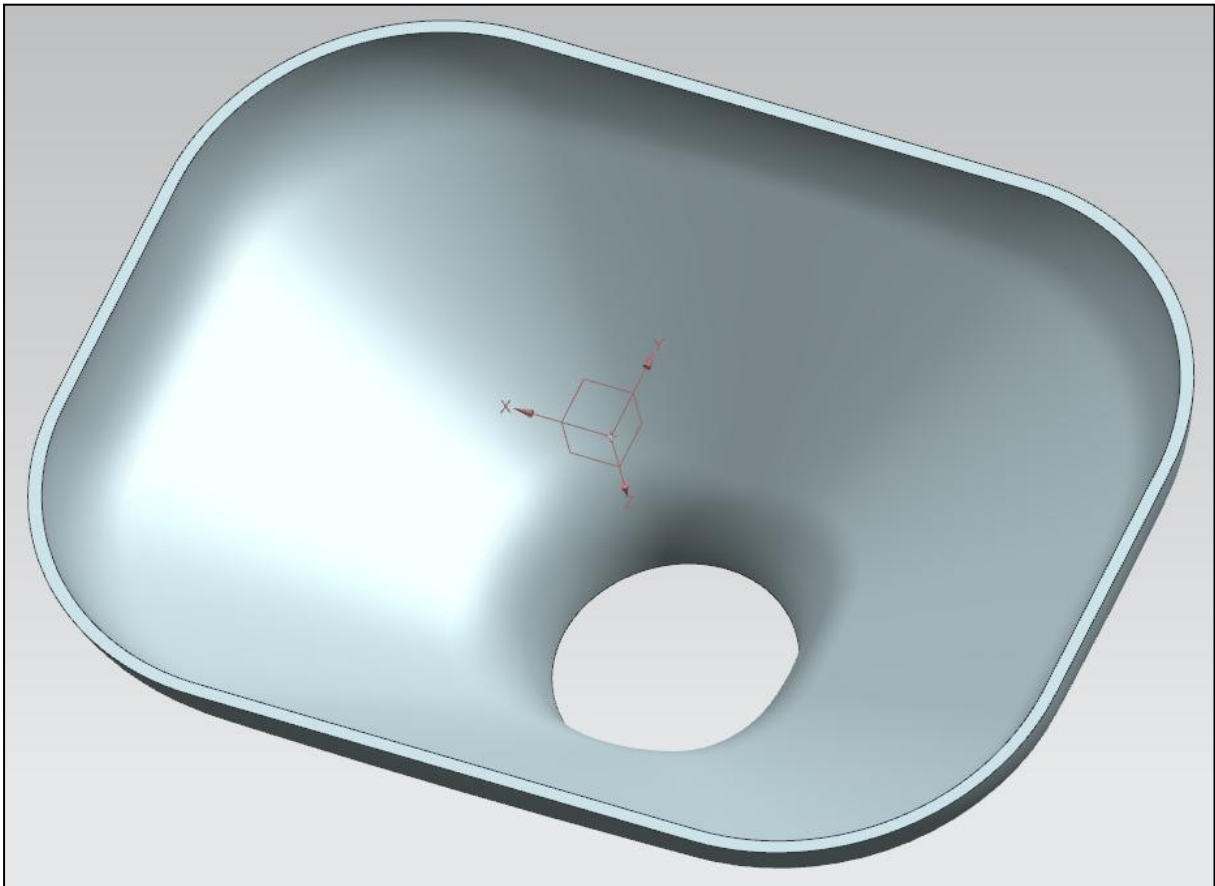


Using Siemens NX 11 Software

Surface Design - Sink

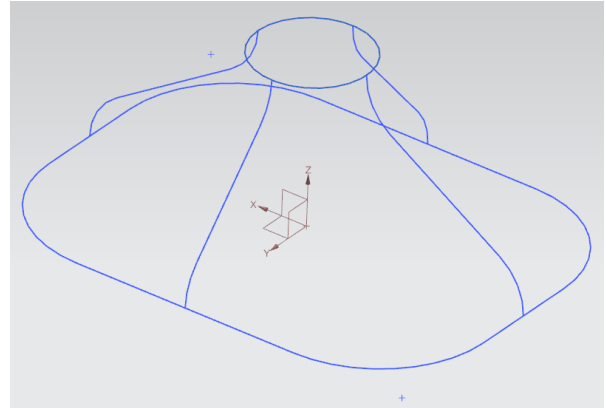
Based on a YouTube NX tutorial¹.



¹<https://www.youtube.com/watch?v=sh8NCNfdwVA>

1 – Introduction.

- **Copy/paste** the file `C:\Commun\NX\sink.prt` into your local folder and open it.
- This file consists in six curves from which a surface, and then a solid, will be defined.



2 – Creating the surfaces.

- Click on the *Through Curve Mesh* button




, under the *Surface* button



- In the *Through Curve Mesh* dialog box, select the lower horizontal contour as *Primary Curve*.

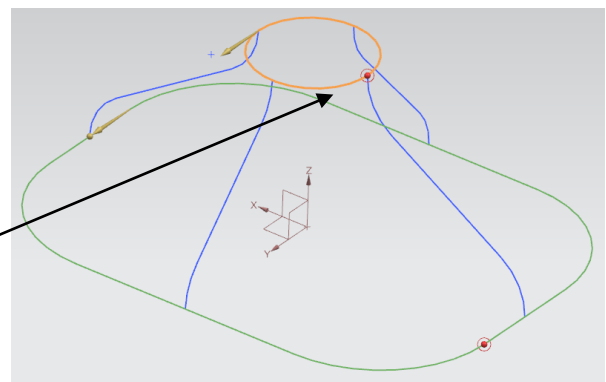
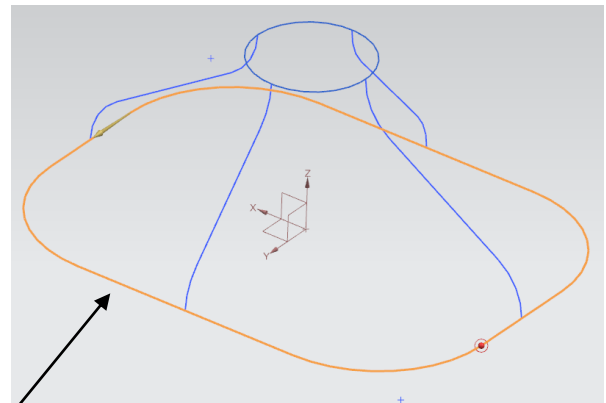
- **Note:** if you do not manage to select this curve, check if the *Curve Rule* filter is set to *Connected Curves*



- Click on the *Add New Set* button  of the *Primary Curve* field.

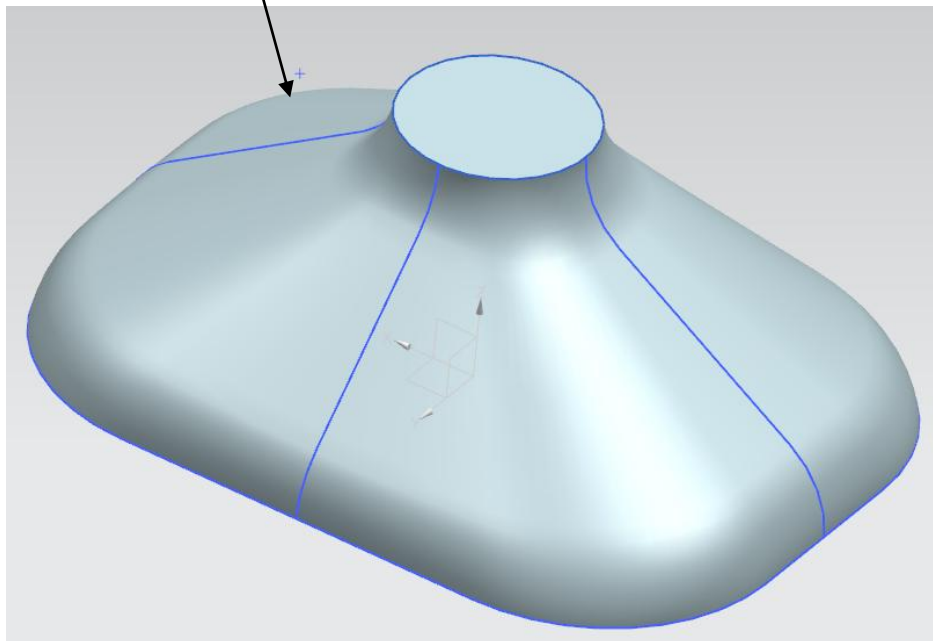
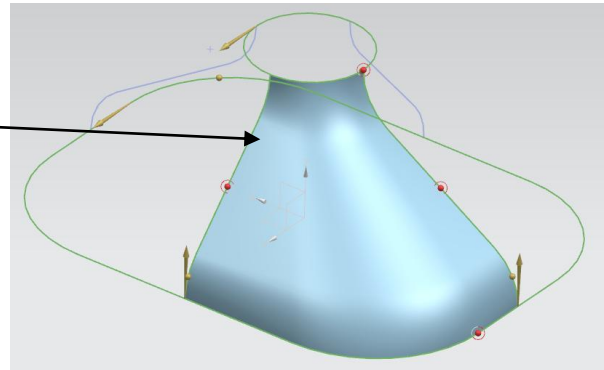
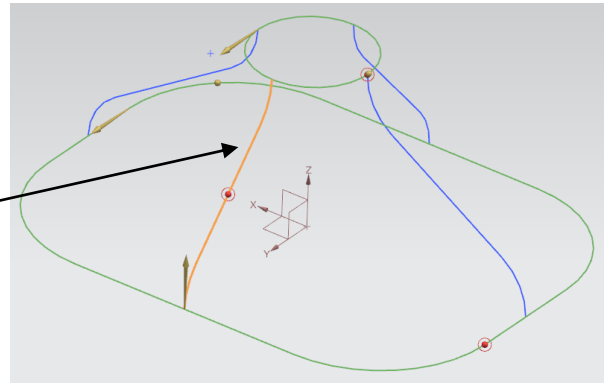
- Then, select the upper horizontal contour and click again on the *Add New Set* button




- **Important:** when adding curves, check that the orientation arrows are pointing **anti-clockwise**. If not, double click on each of them.



- Click on the *Select Curve* option of the *Cross Curve* field. Set the *Curve Rule* filter to *Tangent Curves* .
- Select a first transversal curve and click on the *Add New Set* button  of the *Cross Curve* field.
- Select the next **anti-clockwise** transversal curve and click the *Add New Set* button  of the *Cross Curve* field. A surface should appear in the visualization window.
- Continue selecting and adding the transversal curves **anti-clockwise** until the surface is closed.
- Click *OK* to validate.



3 – Making a shell.

- Click on the *Shell* button  *Shell* and select the two horizontal (top and bottom) faces as faces to pierce.
- Click *OK* to validate.

