3DXpert™ for SOLIDWORKS®

TILTING OF SUPPORTS

Automatic

Tutorial_V1 - Updated: 13,0600,1489,1621(SP6)

3D SYSTEMS

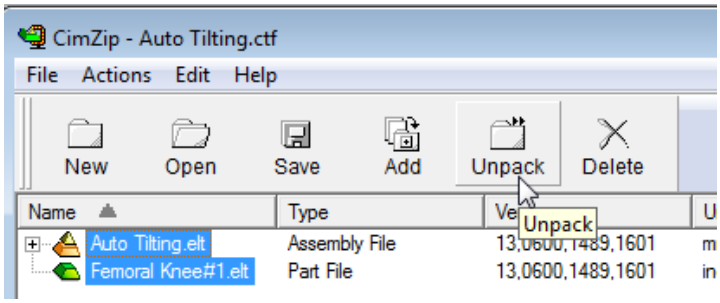
Introduction

In this exercise, we will see that 3DXpert for SOLIDWORKS automatically tilts support structures.

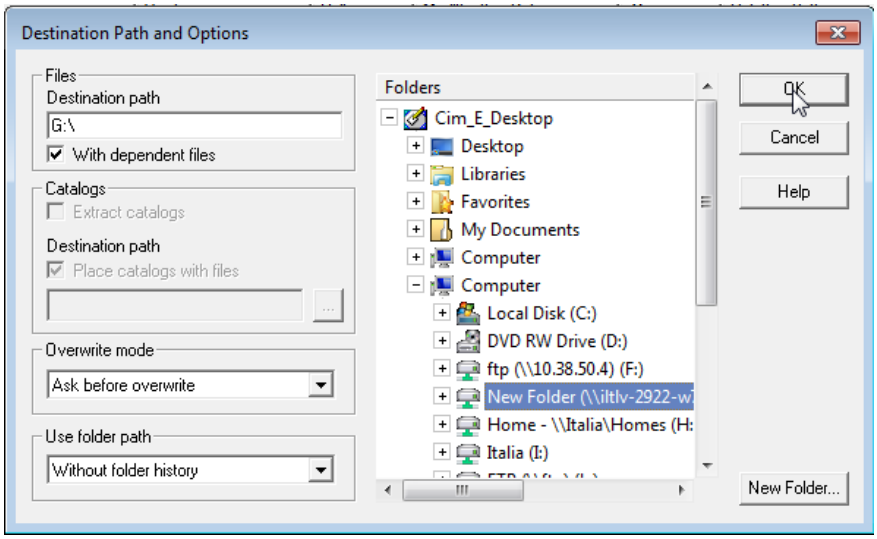
! Notice/ Remember		Left mouse button name is ***"pick"***
		Middle mouse button name is ***"Exit"***
		Right mouse button name is ***"Click"***

1. Unpack the file Auto Tilting.ctf
   a. Select File>>Unpack and select the file Auto Tilting.ctf

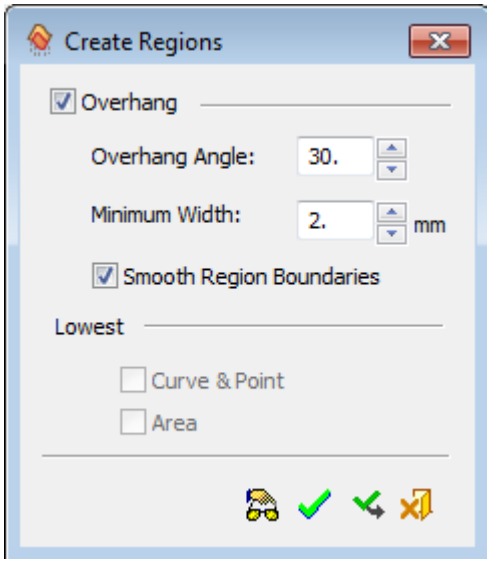
   b. Select Unpack



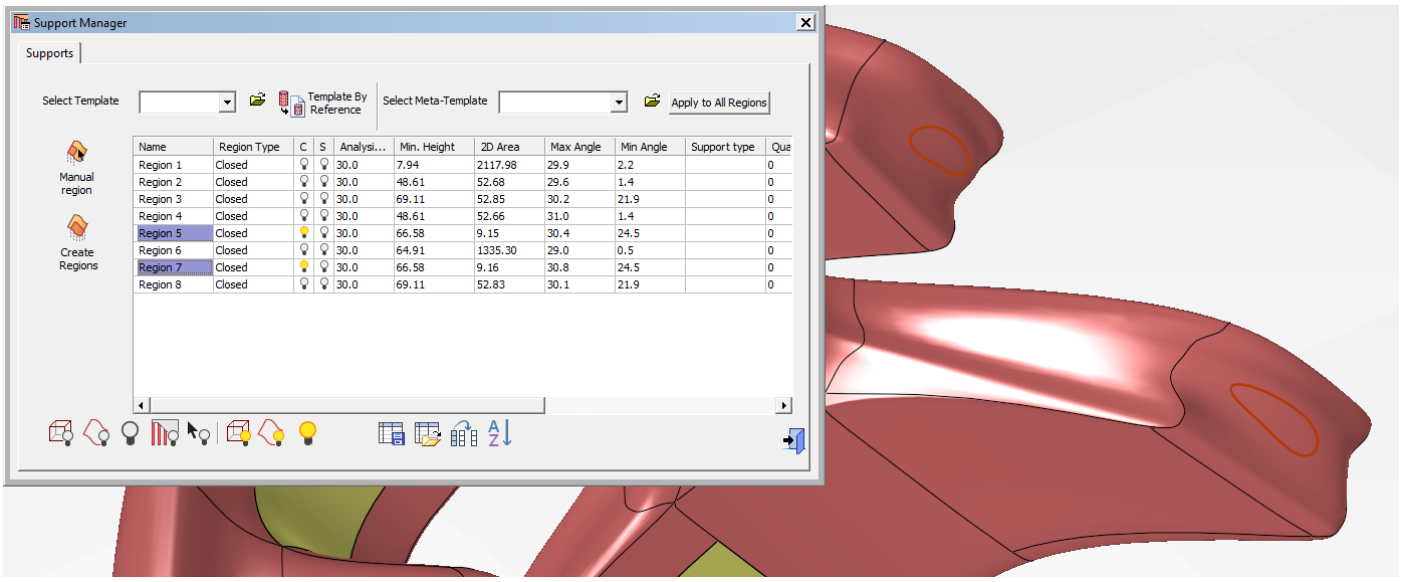
c. Set the destination and select ok



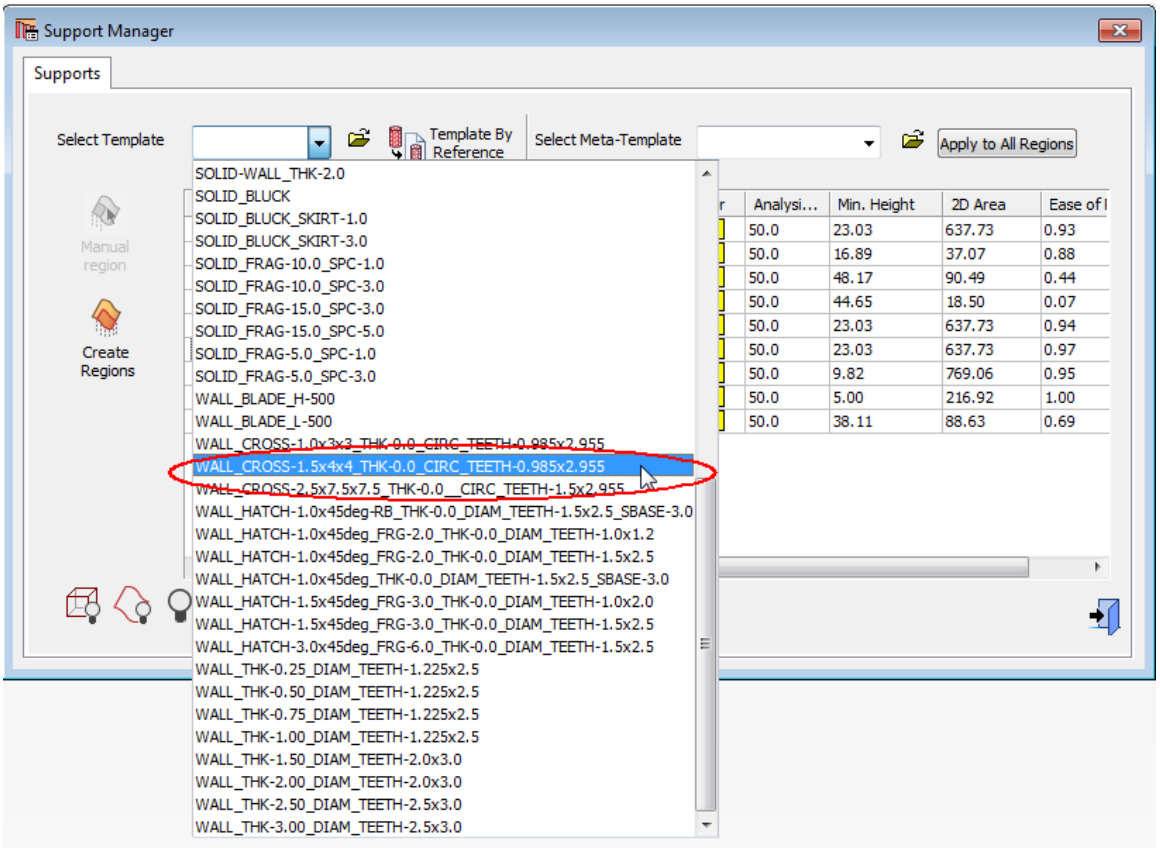
2. Load the assembly Auto Tilting.elt
3. Enter Support Manager>Select the entire part >Select OK



4. Select regions 5 and 7

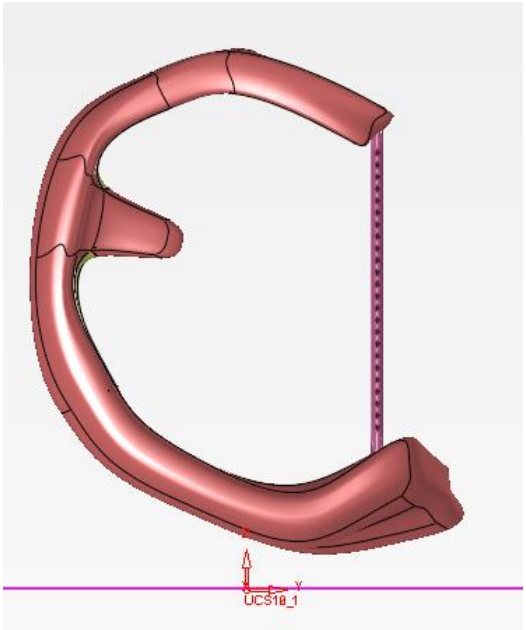


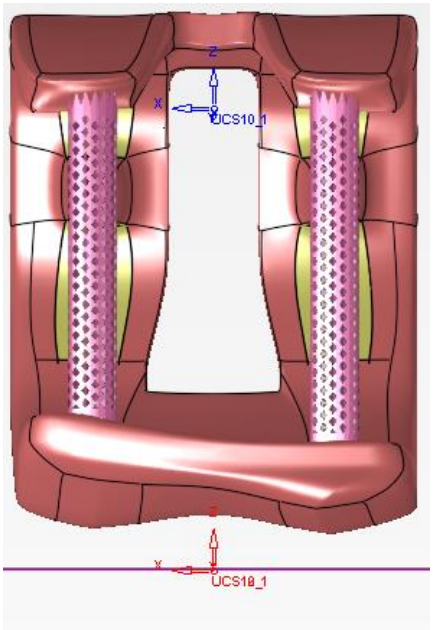
5. Select the template marked in the image below ('WALL_CROSS')



Notice	The naming convention of the templates is explained in a separate document

6. See that the support touches the part

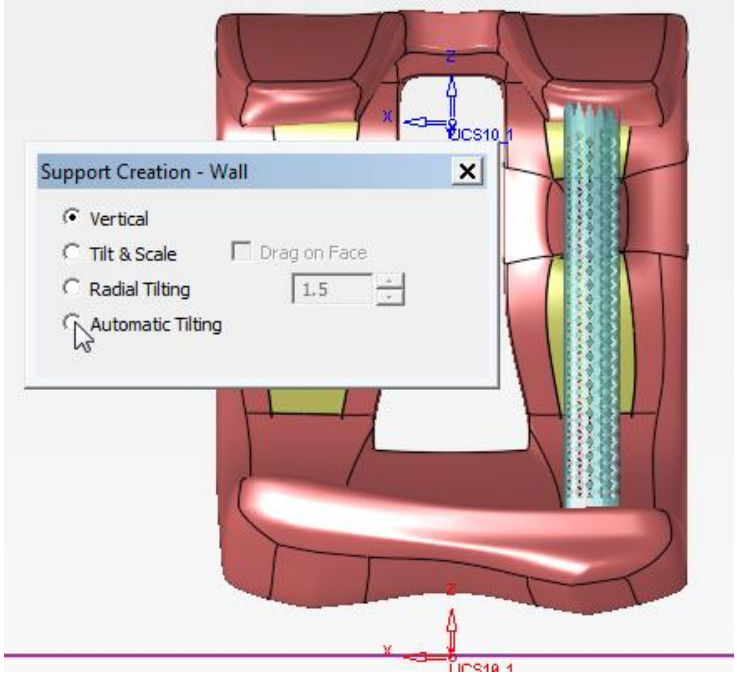




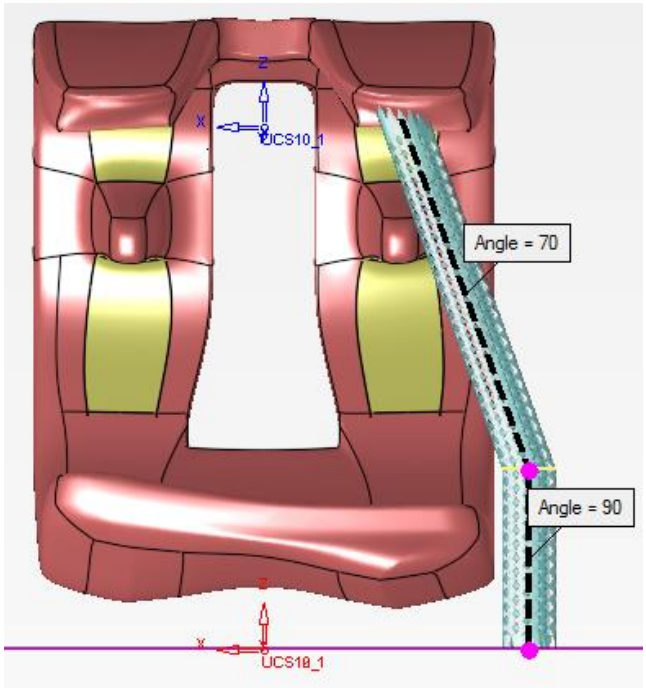
7. At this point we can add manual tilting or let the system perform the tilting automatically

Note:
The automatic tilting makes such tilting that the created support (any type) does not intersect with the part (at least 1 mm)

8. RMB on region 5 and select ‘Edit Tilting’
9. Select Automatic tilting

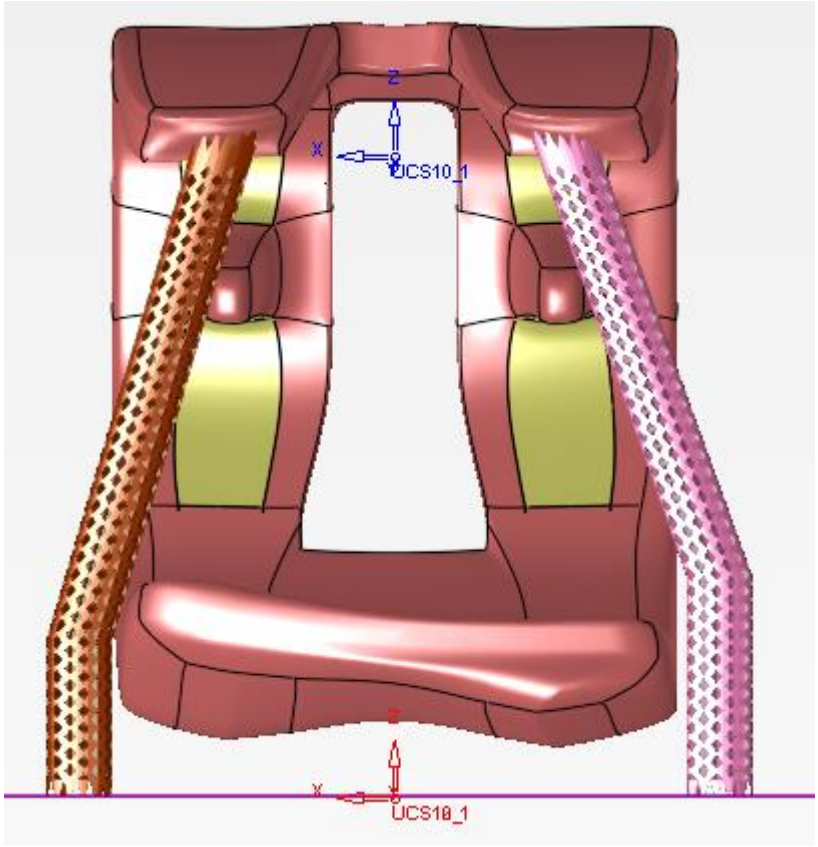


10. See that the support automatically moved away from the part



11. Select Ok and repeat the operation on region number 7

The final result:



End of Exrcise.