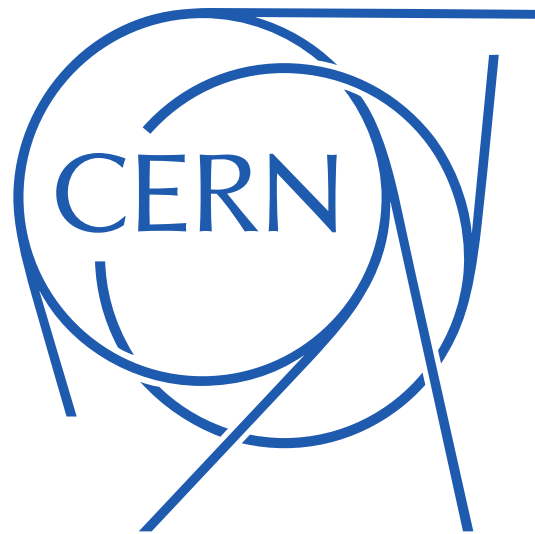


32nd CERN CATIA Forum



Tips and tricks

14.03.2019 – E.Urrutia for Kraftanlagen / Assystem

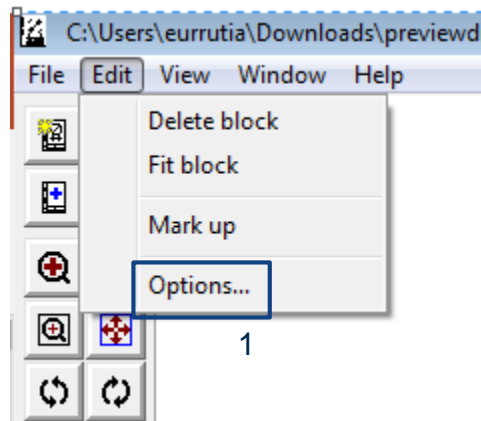
Table of content :

- Settings in HPGL Viewer
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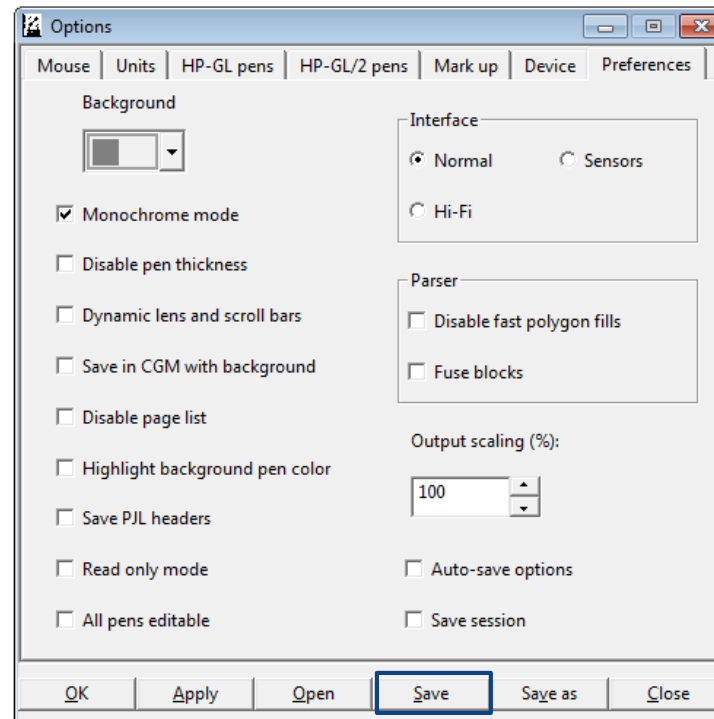
Settings in HPGL Viewer

HPGL viewer settings can be customized and saved to save time with document opening

In the 'Edit' tab ► 'Options...'



Several parameters can be changed and saved for the next file opening

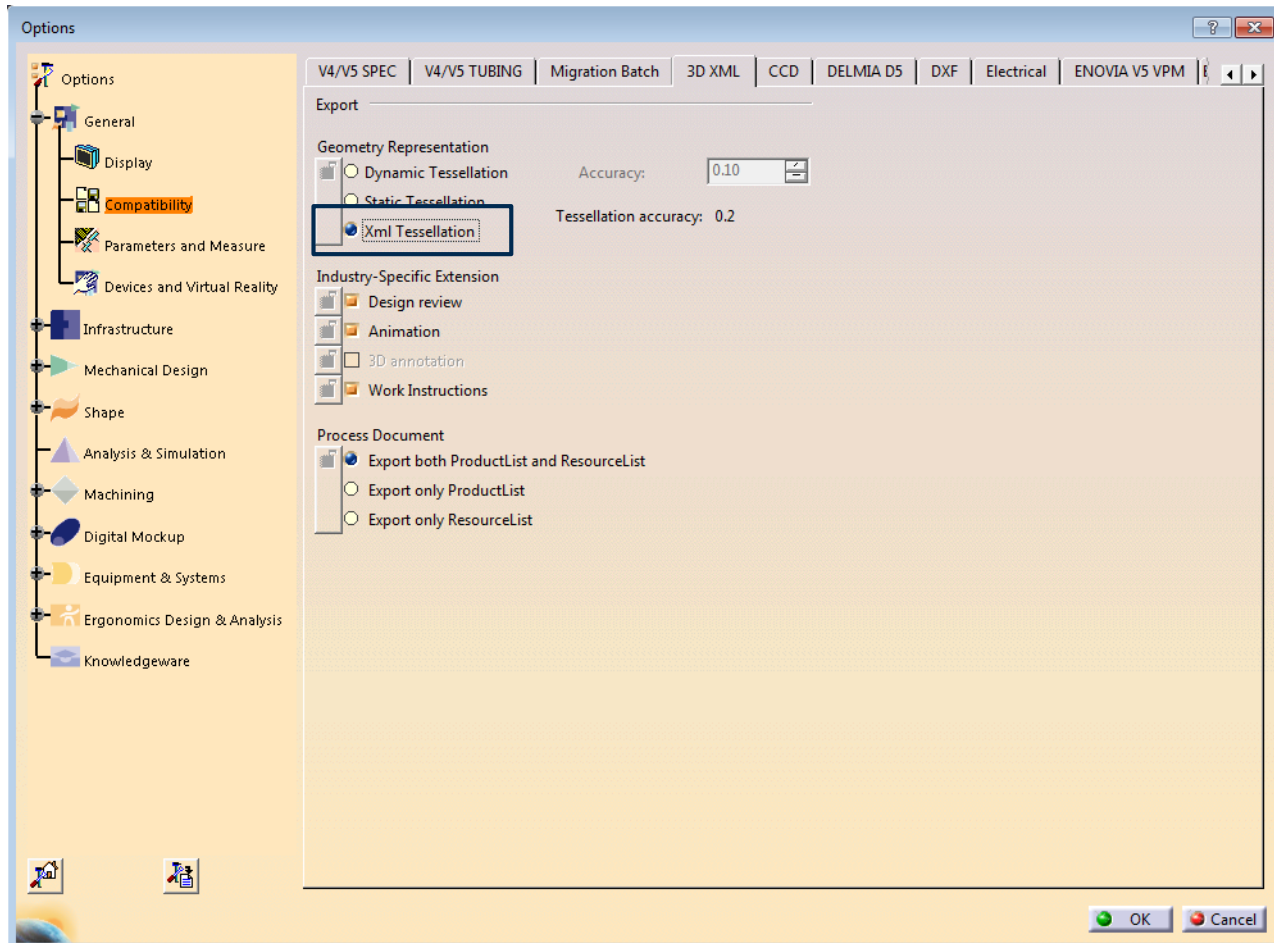


2

Save as 3DXML

To allow 3Dxml file opening by other CAD software (Spinfire, Inventor,...), an option must be changed in Catia settings

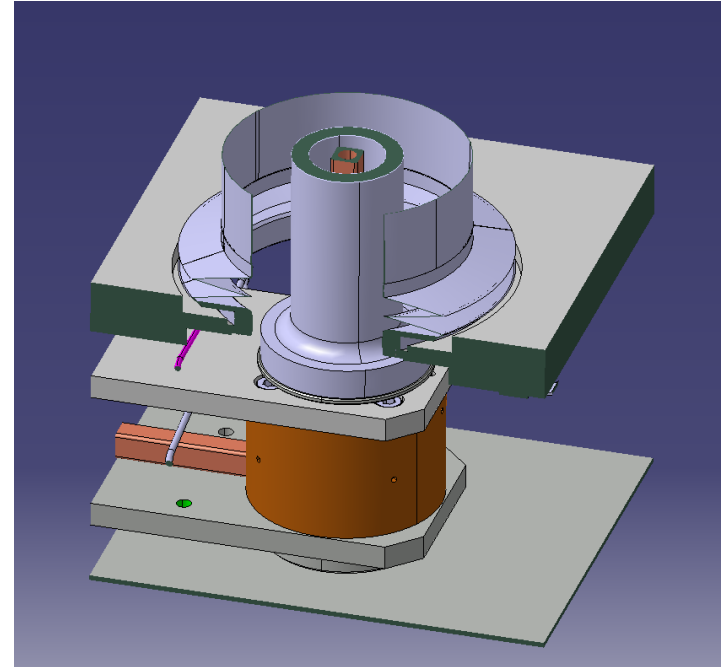
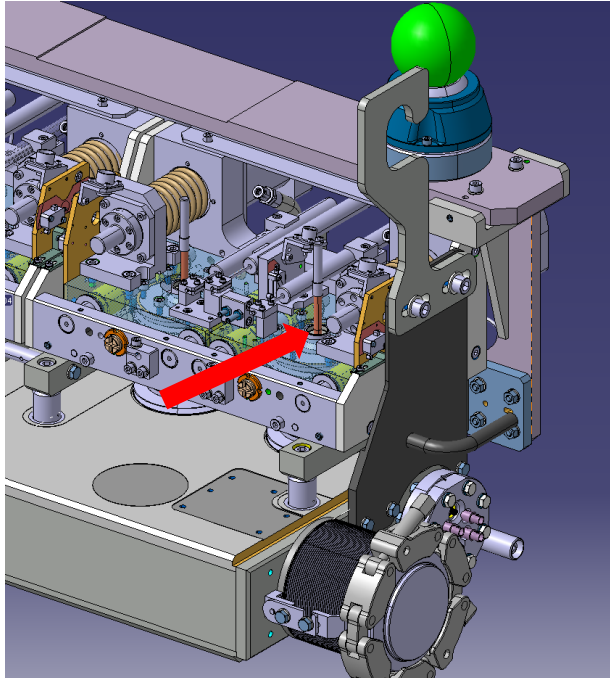
Tools ► Options ► Compatibility ► 3D XML tab



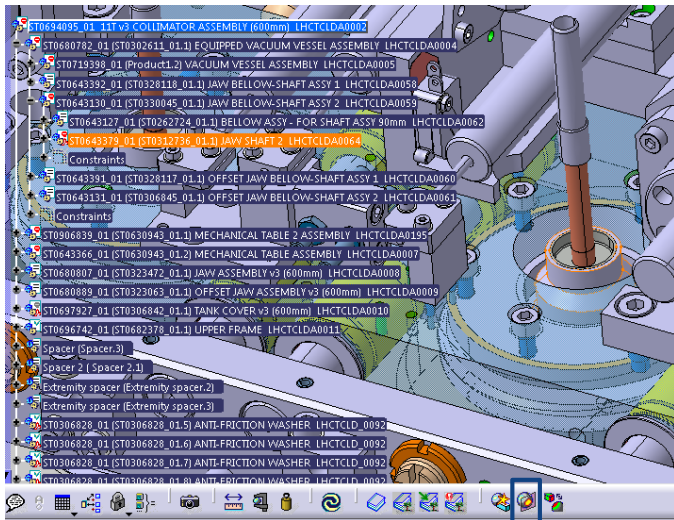
Section box in assembly

To edit component in context, a section box can be useful to avoid multiple hide/show and to keep close environment displayed

Example : component edition in a tank. In this case a box section section can be useful to check directly the compatibility with environment

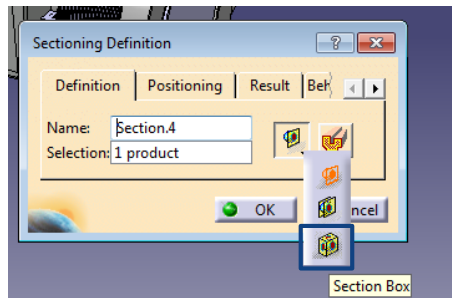


1. Select component in the structure tree

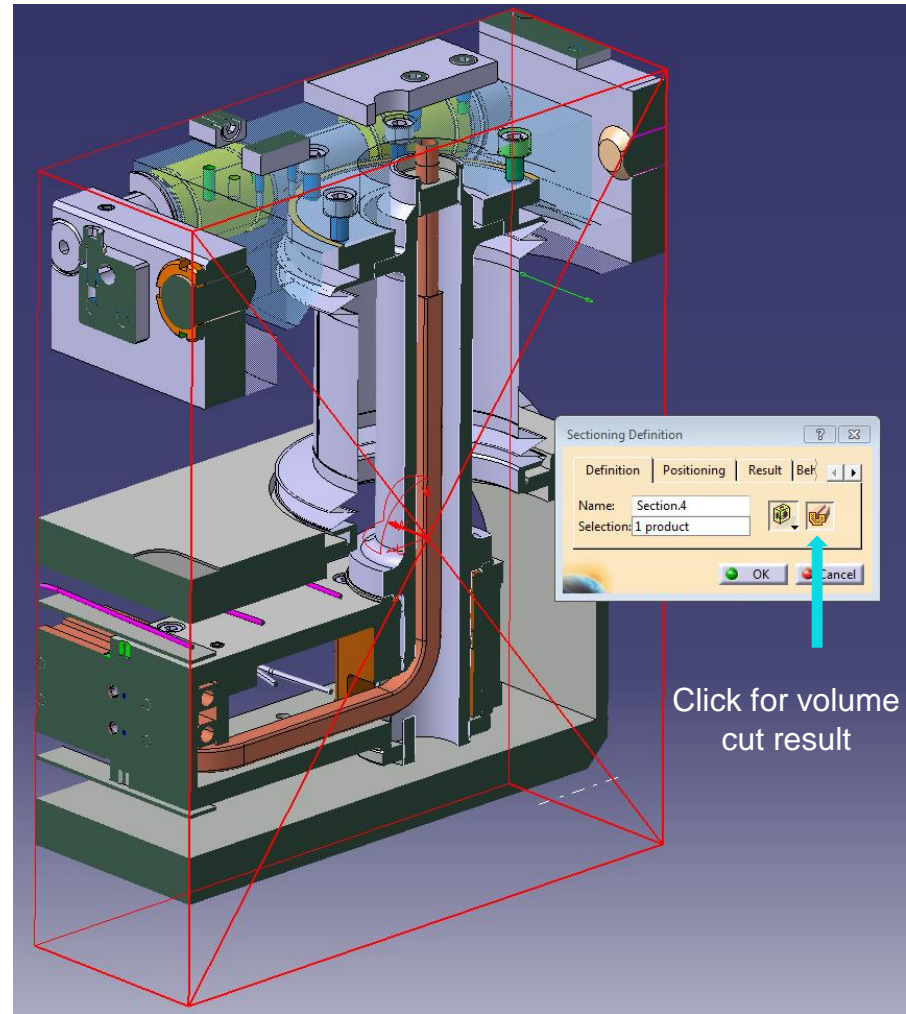


2. Click on the section tool icon

3. Switch to section box option



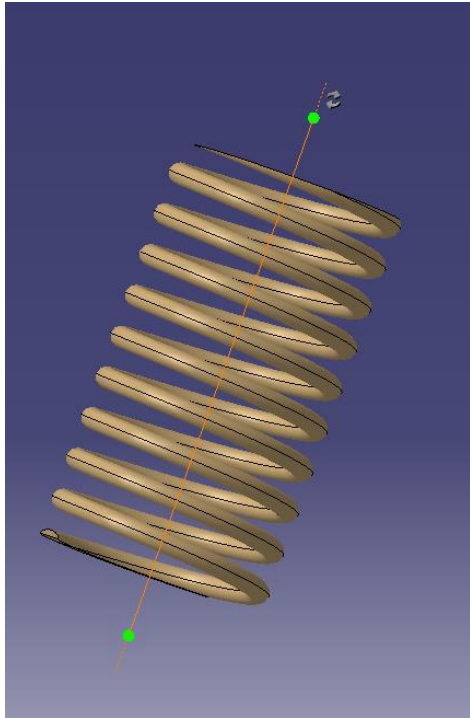
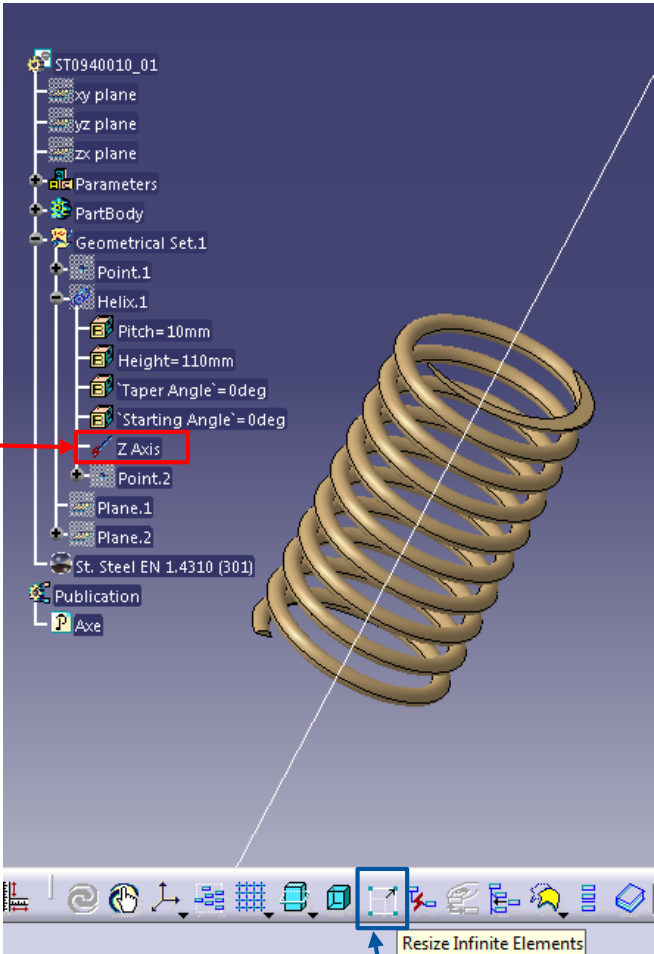
4. Resize the box to desired volume with anchor lines



Click for volume cut result

Resize infinite Elements

Infinite construction elements can be resized to avoid visual pollution



Use anchors to resize the element + click outside to validate

Icon available in Generative Surface Design workshop

Useful Macros

Some useful macro to simplify process in using Catia

To be copied in your C:\Program Files\CADSupport\CATIA_R27\VBA



White_Background.CATScript

Display white background to perform snapshot for example



Purple_Background.CATScript

Display the standard 'purple' CATIA background



Table to excel.CATScript

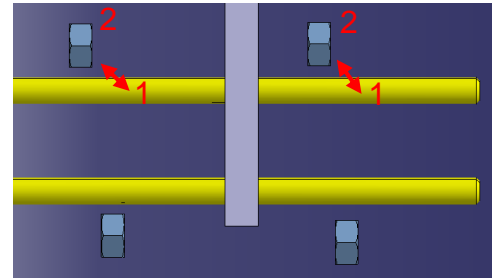
Export data from CATIA drawing table to excel file

Constraints creation sequence option

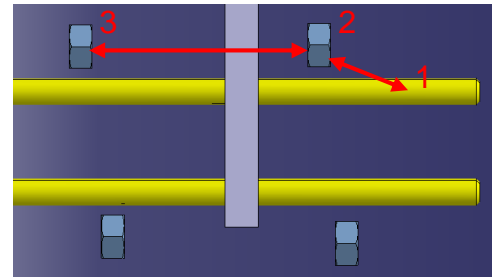
3 different options are available to create constraint in CATIA V5 Assembly Design Workshop



Behaviour 1 : the constraint is created from element 1 to element 2



Behaviour 2 : by clicking 1, 2, 3, ...,n element, constraints are created between 1/2, 2/3, ..., n-1/n



Behaviour 3 : by clicking 1, 2, 3, ...,n element, constraints are created between 1/2, 1/3, ..., 1/n

