

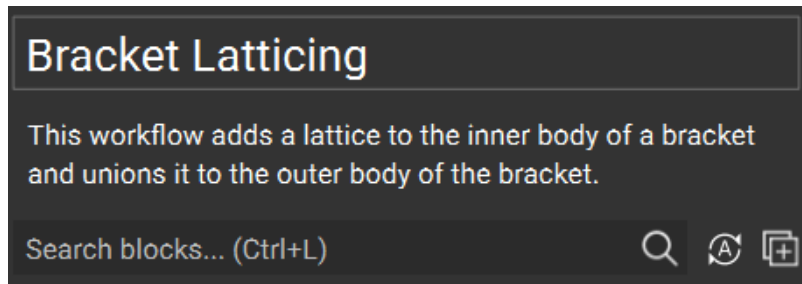
# Follow Along: Organizing a Workflow

In this video, we walk through the best practices for organizing the notebook using an example bracket latticing workflow.

Please download the nTop File below to follow along with the tutorial.

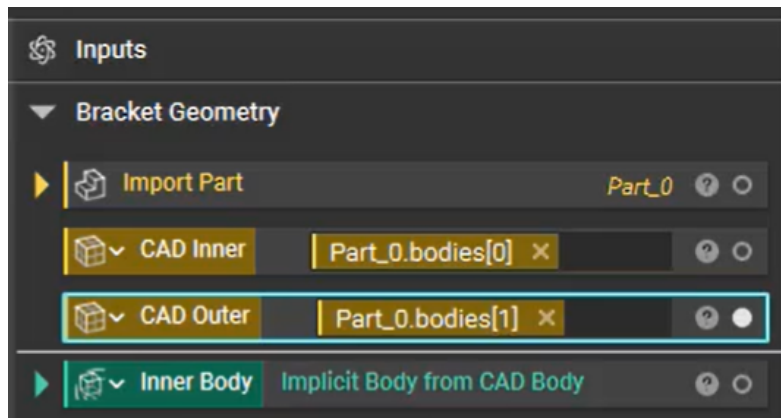
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**Step 1:** Give this Notebook an appropriate name and a detailed description of what the workflow does. Double-click on each area to edit the text then press Enter.



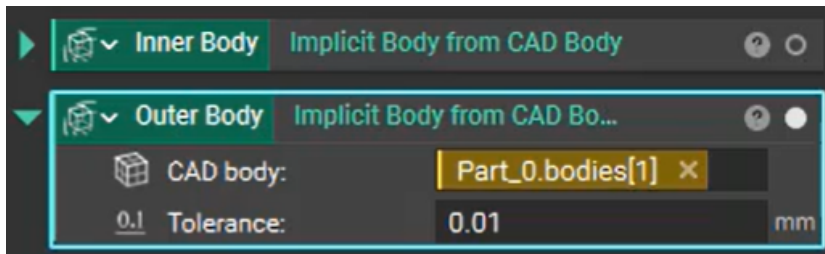
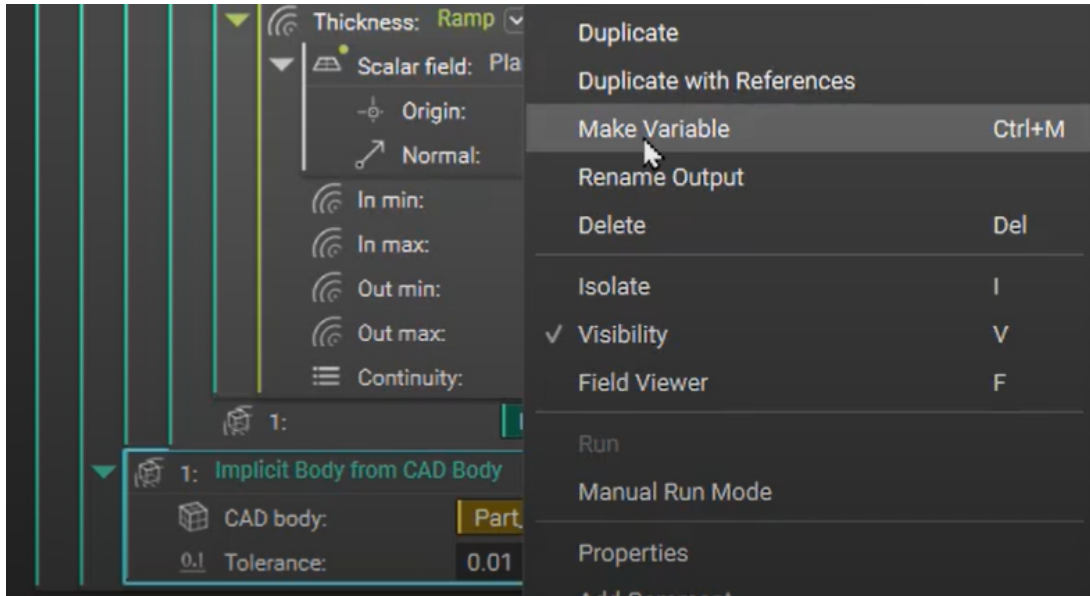
**Step 2:** Rename Section 1 to Bracket Geometry. Press I on the keyboard after selecting the 'Implicit Body\_0' variables to isolate the view of the part, then rename to 'Inner Body' accordingly. The same can be done for the two CAD body variables.

Sections are used to segment the different portions of a workflow and blocks can represent steps in the workflow, so it is good practice to give them descriptive names. For most workflows, geometry would be the first section because importing parts and converting them into implicit bodies are the typical first steps.

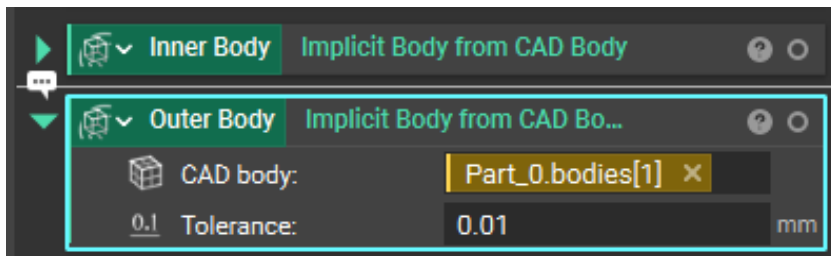


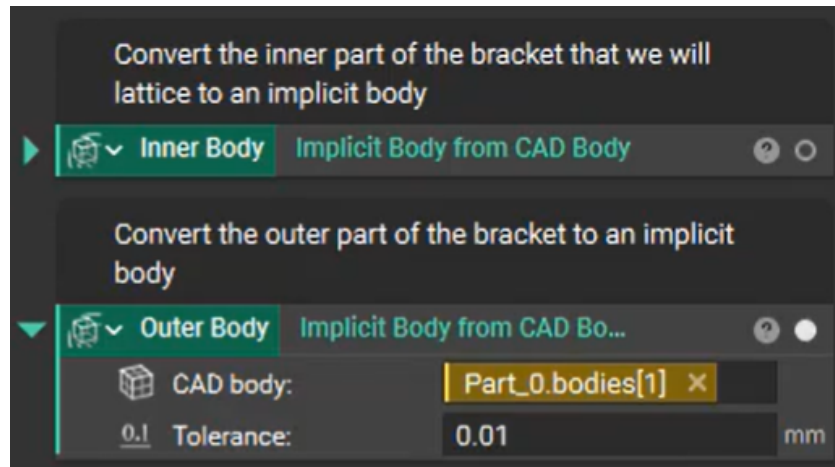
**Step 3:** Scroll down to the bottom of the workflow to find the 'Implicit Body\_1' block. This is the implicit body of the outer bracket. It is nested within the **Boolean Union** block, which merges it together with the lattice structure generated on the inner part of the bracket.

Right-click on the block and choose 'Make Variable', then rename it 'Outer Body' and move it next to the 'Inner Body' variable.

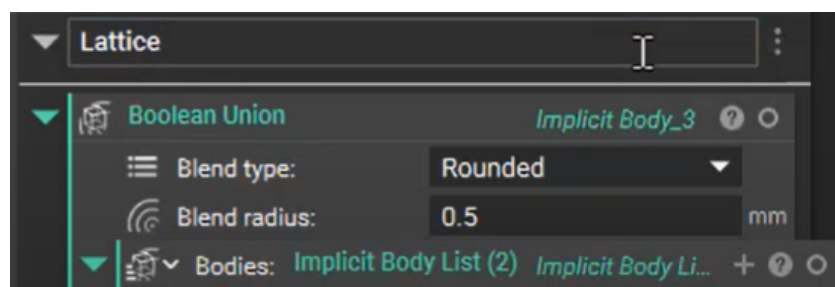
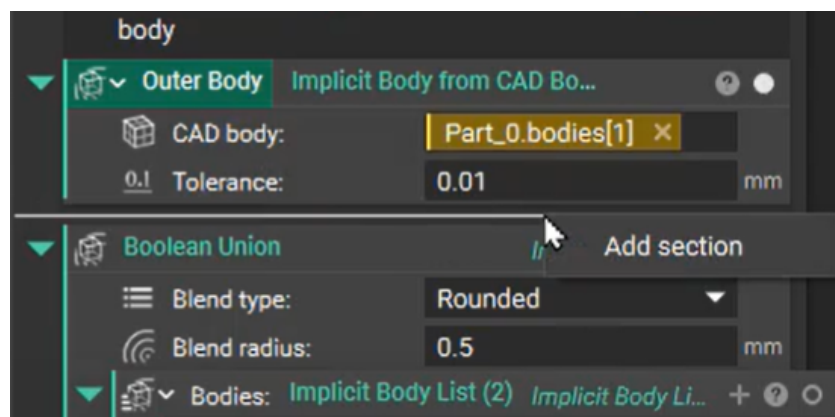


**Step 4:** Add descriptive comments to the 'Inner Body' and 'Outer Body' variables to document what each block does. This can be done by either hovering over the top left corner of each block and clicking on the speech bubble icon or going into the comment tab of the info panel.



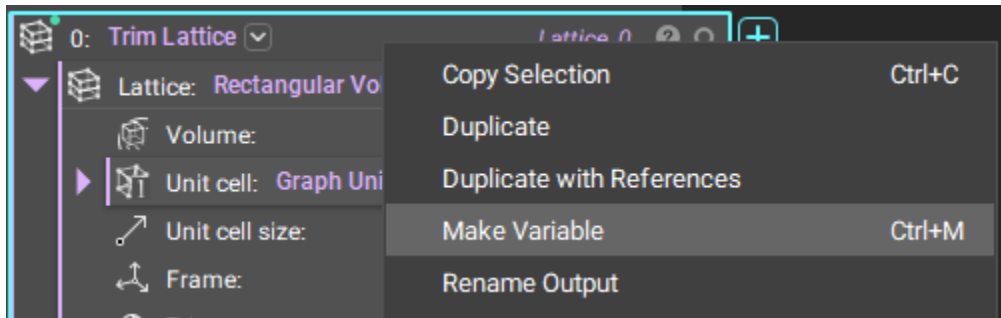


**Step 5:** Click between the 'Outer Body' and **Boolean Union** blocks to place the white line, then right-click and choose 'Add section'. Rename this section 'Lattice'.

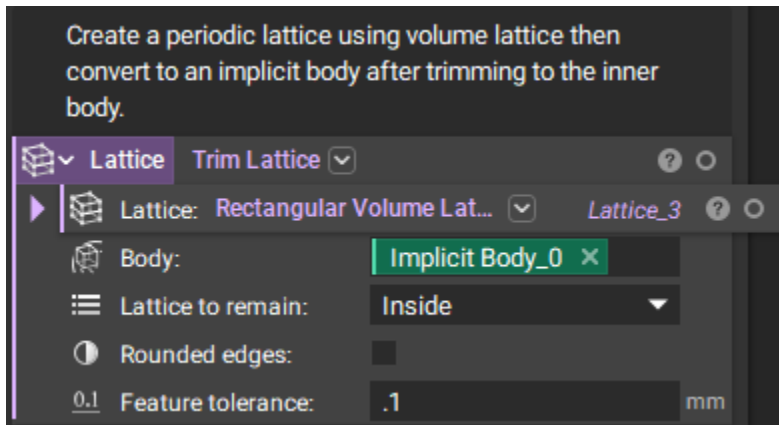


**Step 6:** The **Boolean Union** block is the final merged part and has the latticing process nested within. Make some of the nested blocks into variables to get a better overview of what is happening here.

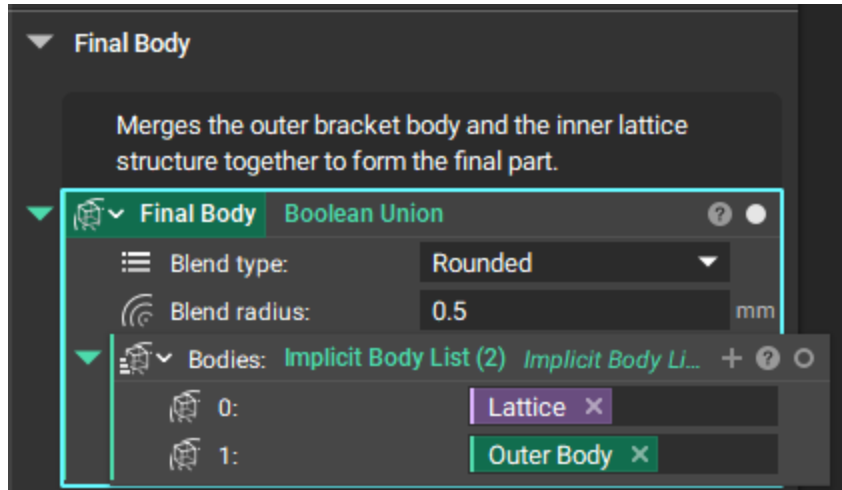
Make the the **Trim Lattice** block, which trims the lattice to the region of the inner body, into a variable. Isolate the block by selecting it and using the hotkey I to check that it is the lattice structure. Rename the variable to 'Lattice'.



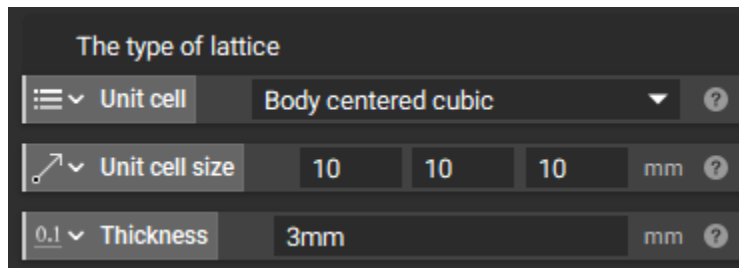
**Step 7:** Rearrange the blocks to reflect the chronological steps of the workflow and add descriptive comments to them. This is so that each big step of the workflow can be properly documented.



**Step 8:** Create a last section called 'Final Part' by placing the white line above the **Boolean Union** block and right-clicking. Make the Boolean Union block a variable also called 'Final Part'.



**Step 9:** To be able to easily see and change any parameters, make them into variables with descriptive names as well as add appropriate comments.



With all necessary parameters visible on the notebook, all other blocks can be collapsed.

**Step 10:** Use the icon in the top-left corner of the Notebook to expand the Notebook Outline. Easily navigate among all the highest-level blocks and variables. Selecting a block in this outline will highlight dependent blocks throughout the Notebook which contain the selection.

