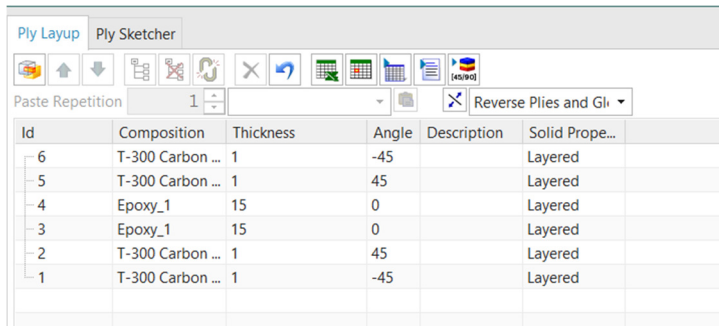3D Mesh laminates sandwich a core with two or more plies each side

Steps

- Create dependent meshes (remember which is the master ☺)
- Create a 2D collector type Laminate

Figure 1 Part of laminate modeller

- Assign this collector to the master mesh.
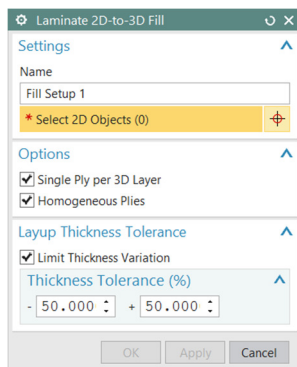- Fill laminate

Figure 2 Selecting single ply per 3D layer, Limit Thickness variation

This is for each ply, but I want the outside plies eg. The carbon to remain constant and only the core to adapt the size to fill the volume between the two meshes.
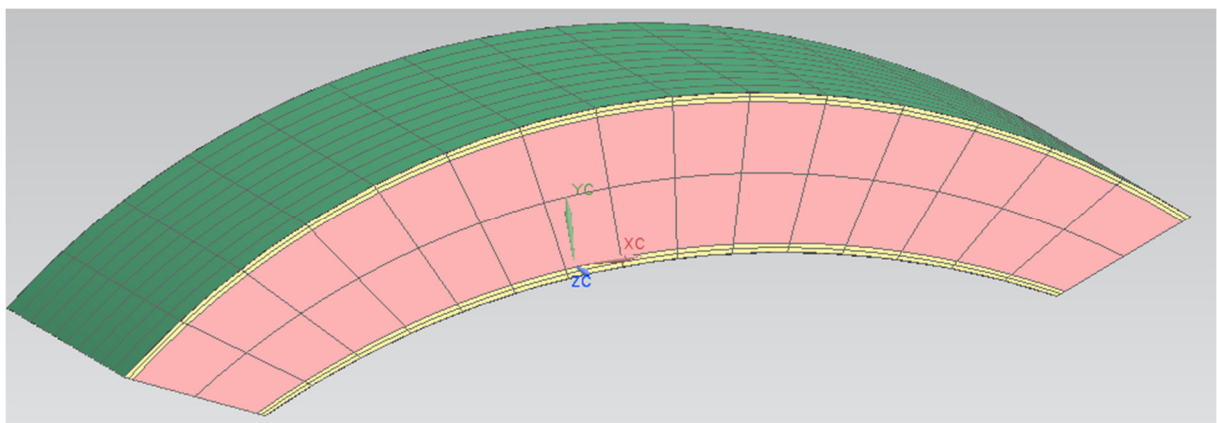

Figure 3 Result from the actions taken above

It should be possible to adapt the ply thickness individually.

Where do I find it?

Laminate 2D-to-3D Fill dialog box

Application	Advanced Simulation
Prerequisite	You must work in the FEM.
Command Finder	Fill Laminate
Menu	Insert →Laminate →Fill
Simulation Navigator	Right-click the **Laminate Inflation** node→**Fill Laminate**

Ply Thickness Tolerance dialog box

Application	Advanced Simulation
Prerequisite	You must work in the FEM.
Simulation Navigator	Right-click a **ply** node→**Edit Ply Thickness Tolerance**

Figure 4 Manual indicating how to modify individual plies (apologies for the highlight was searching through the manual)

But I cannot find a ply node to right click it. I hope I do not overlook it.

Figure 5 Part of the simulation navigator