SimLab 14.3 업데이트

Altair

Graphics / UI

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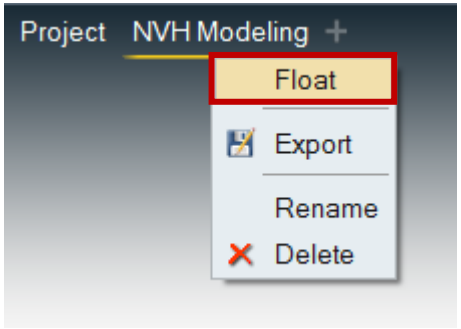
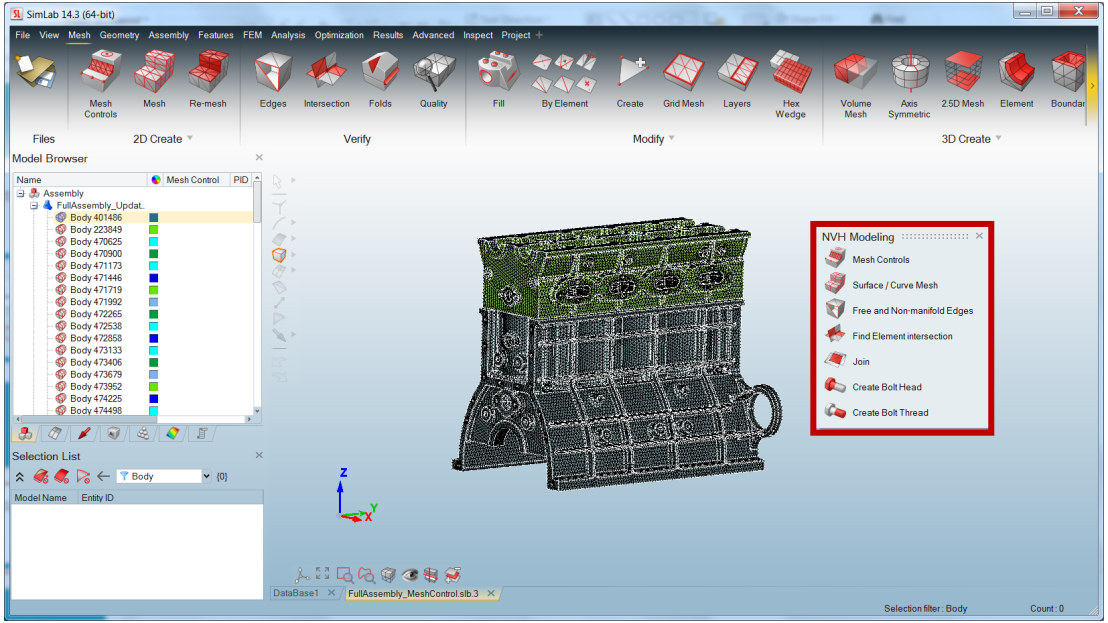
Custom Ribbon

- 사용자가 만든 리본 메뉴 그룹의 위치 지정이 가능

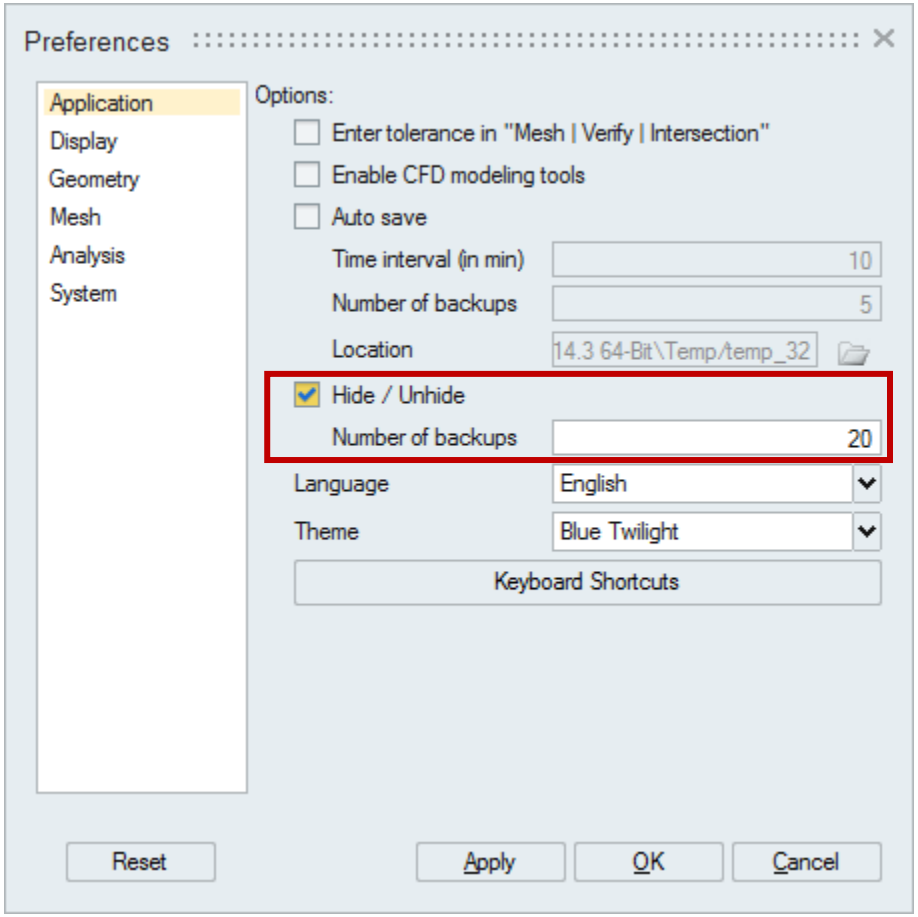




Hide / Unhide

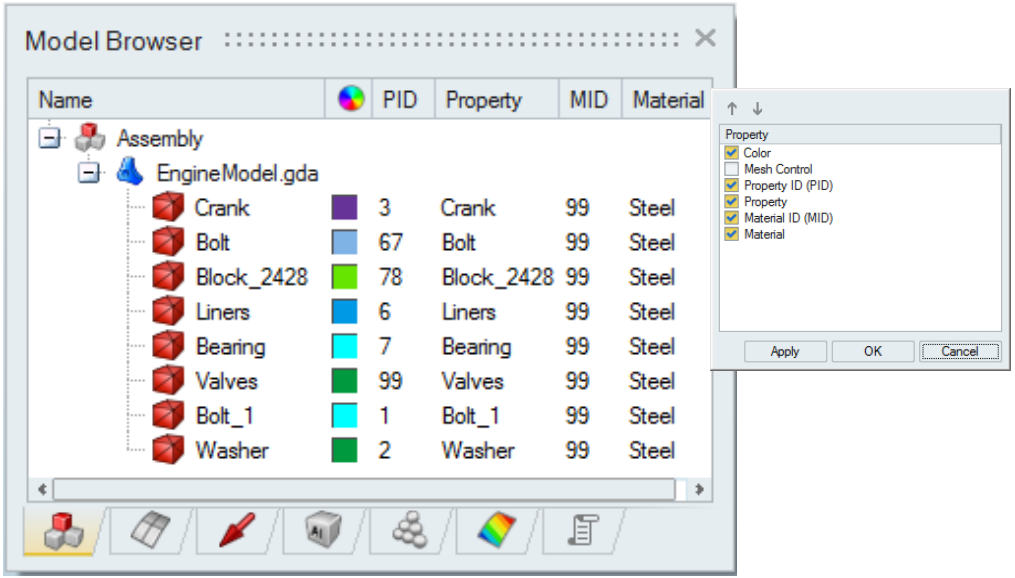
File > Preferences > Application

- 숨기기 기능에 대한 단축키 지원
- H – 숨기기
- 순차적으로 엔티티를 숨긴 경우, 아래의 단축키로 숨김/표시가 가능
  - Shift + H
  - Ctrl + H
- 숨김의 백업 개수 설정 가능



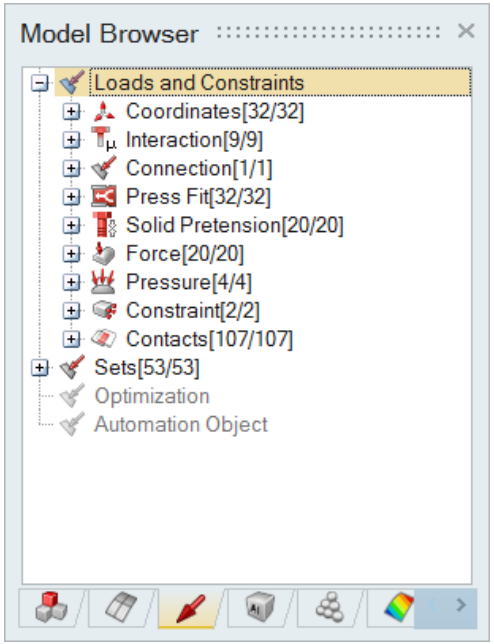
Assembly Browser

- Body들의 다양한 정보 확인이 가능
  - mesh control, property ID, property, material ID, material



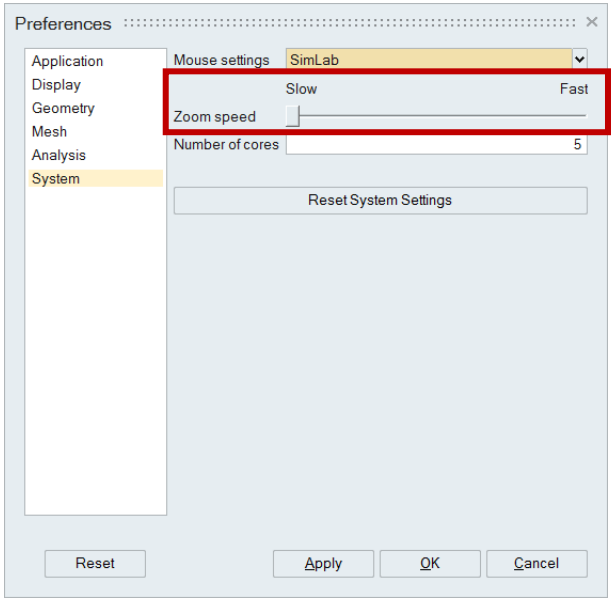
Loads and Constraints Browser

- 경계 조건 타입에 따라 그룹핑 기능 제공



System Settings
File > Preferences > System

- Zoom Speed 설정 가능



Geometry

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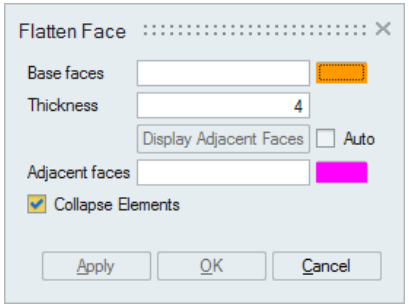
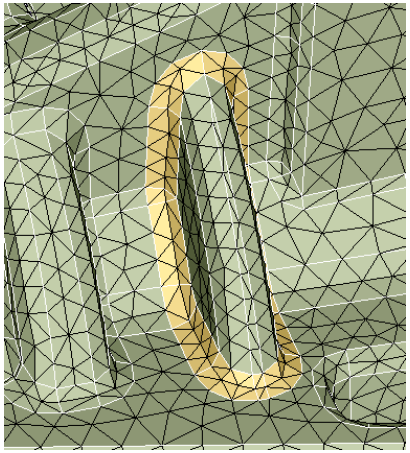
Flatten Face

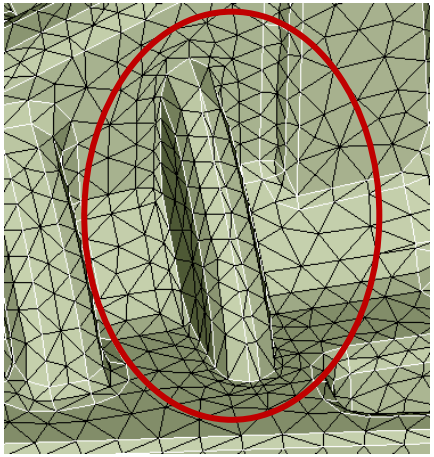
Geometry > Face > Modify

- 경사면 제거 시, 품질 저하 개선

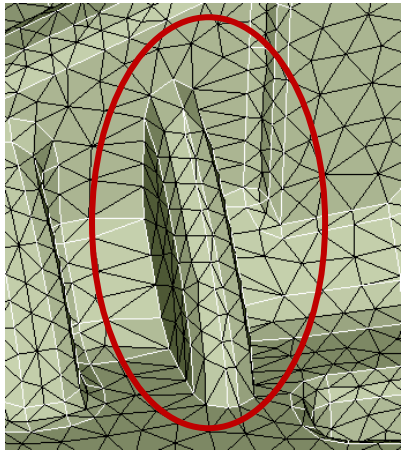




Input



Output
(Collapse Elements = OFF)



Output
(Collapse Elements = ON)

Meshing

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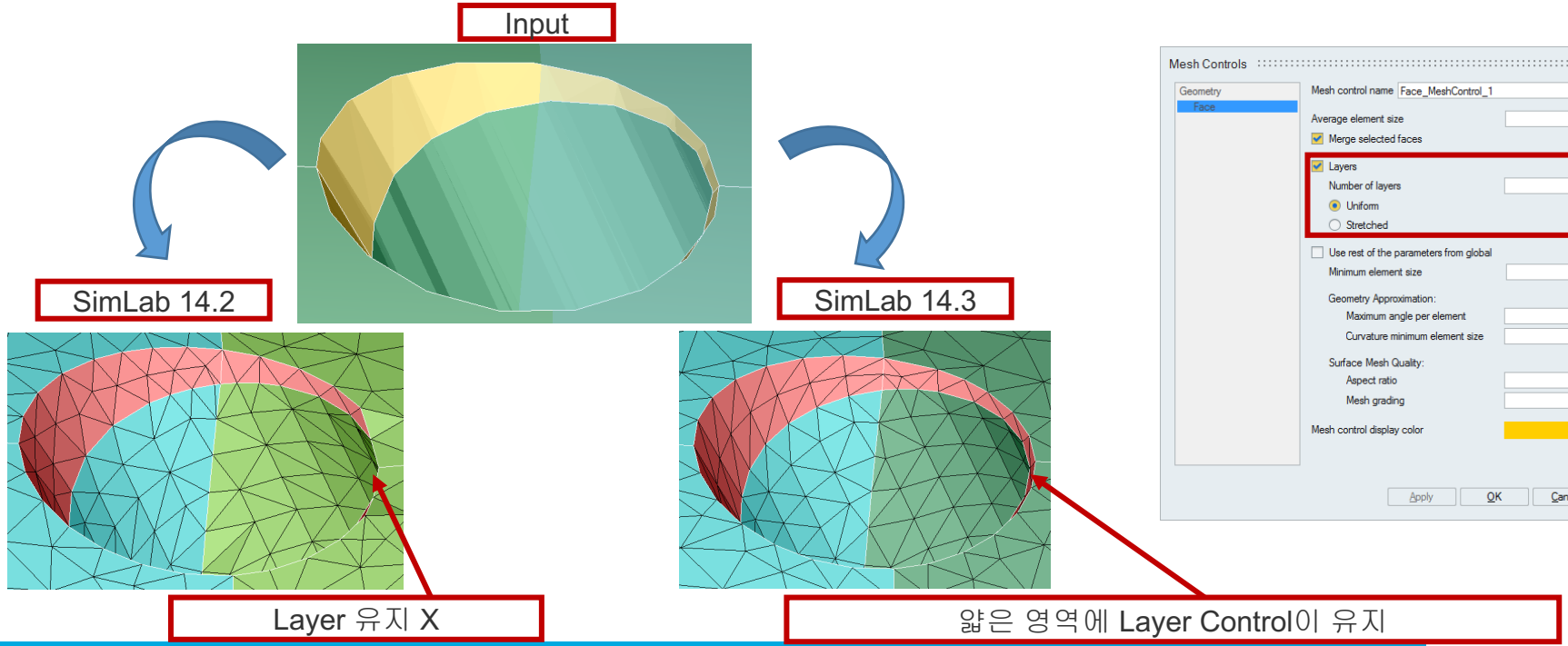
Face Mesh Control

Mesh > 2D Create > Mesh control

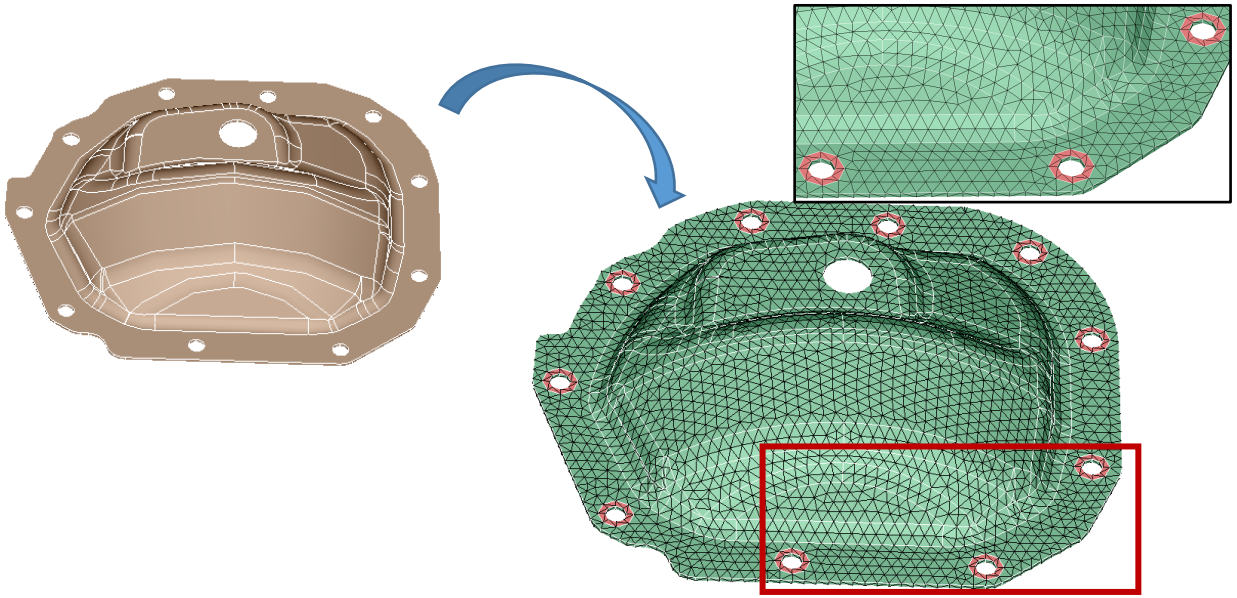
- 얇은 영역에 대해서도 Layer Control이 유지

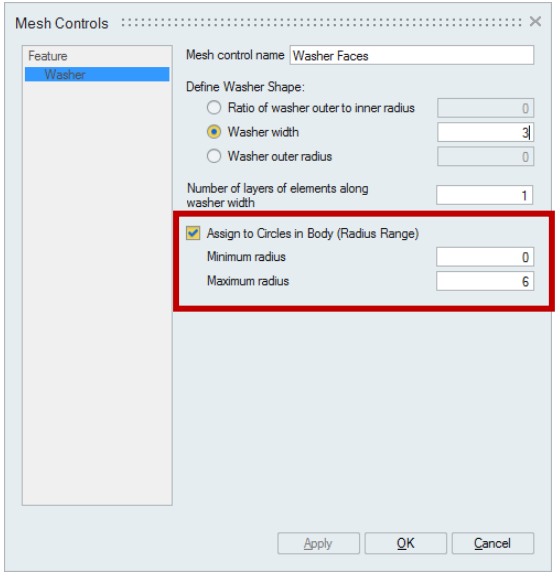


Washer Mesh control

Mesh > 2D Create > Mesh control

- Radius 영역을 이용하여 Washer Mesh Control 적용 가능



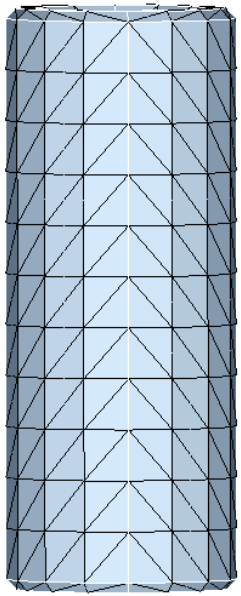


Iso Mesh

Mesh > Modify > Change Mesh pattern

- 인접한 Face에 대해서 동일한 Iso mesh pattern이 적용

SimLab 14.2



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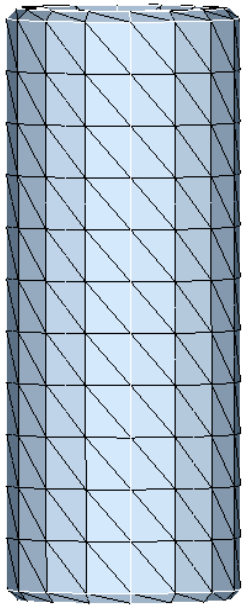

Results

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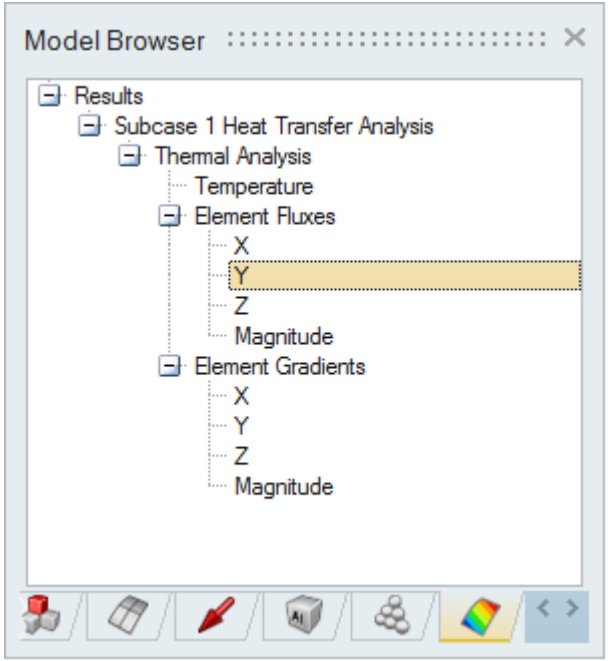
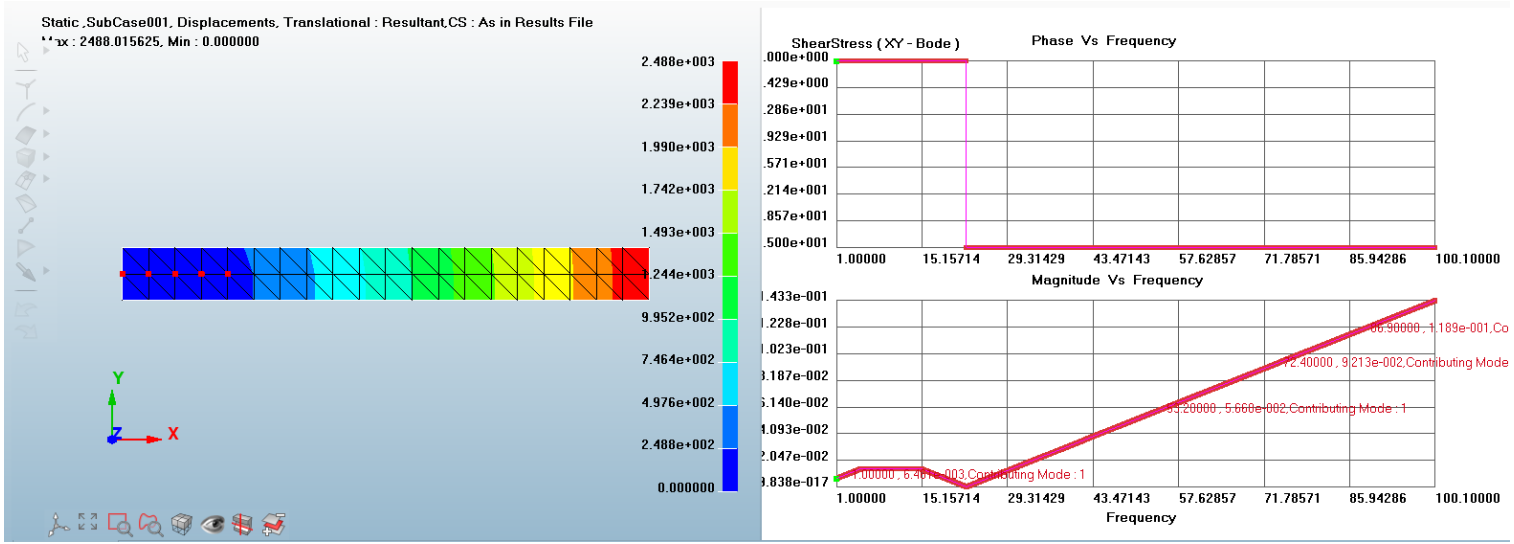
Hyper3D
File > Import > Results

- SPC force, heat flux and thermal gradient 결과 지원



Frequency Response
Results > Frequency Response

- Response Plot이 별도의 창에서 표시
- 입력 파라미터에 따라 Plot이 자동 업데이트



Trials

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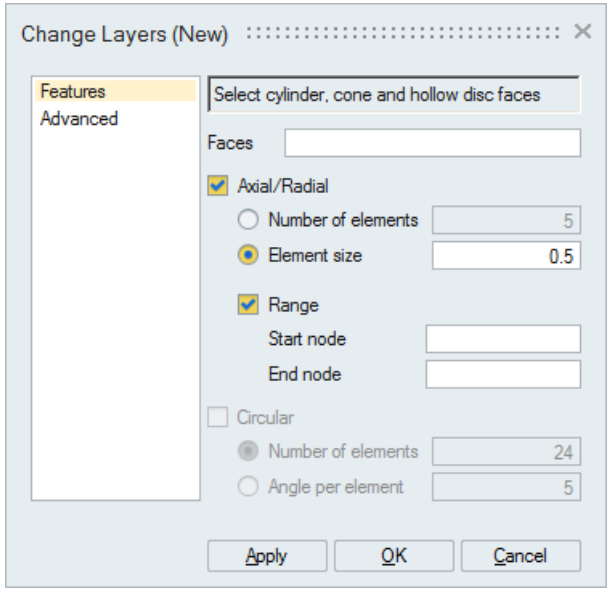
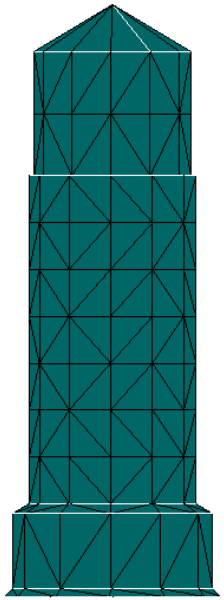
Layers (New)
Advanced > Trials

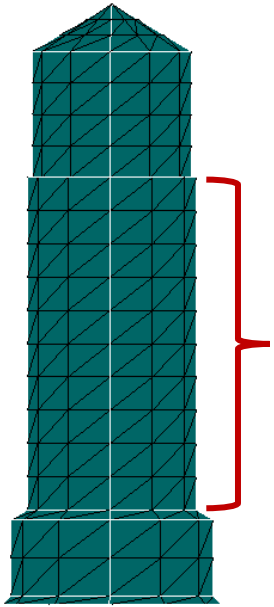
- Layer 적용 시, '축 방향'과 '원주 방향 ' 이 동시에 고려 가능
- cylinder, cone, disc, hollow disc and bolt-hole 지원



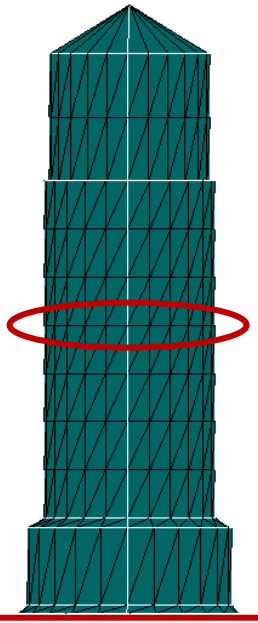
Layers (New)
Advanced > Trials



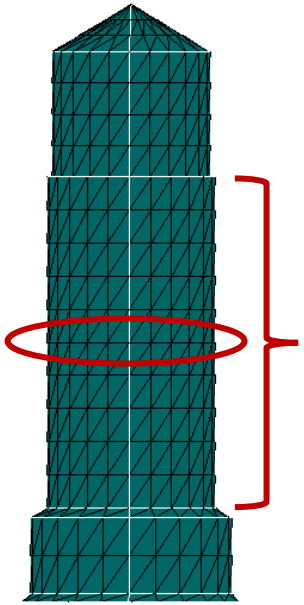
Input



Output
Axial/Radial = ON
Circular = OFF



Output
Axial/Radial = OFF
Circular = ON



Output
Axial/Radial = ON
Circular = ON

Thank You

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