



# 心軸扭力分析

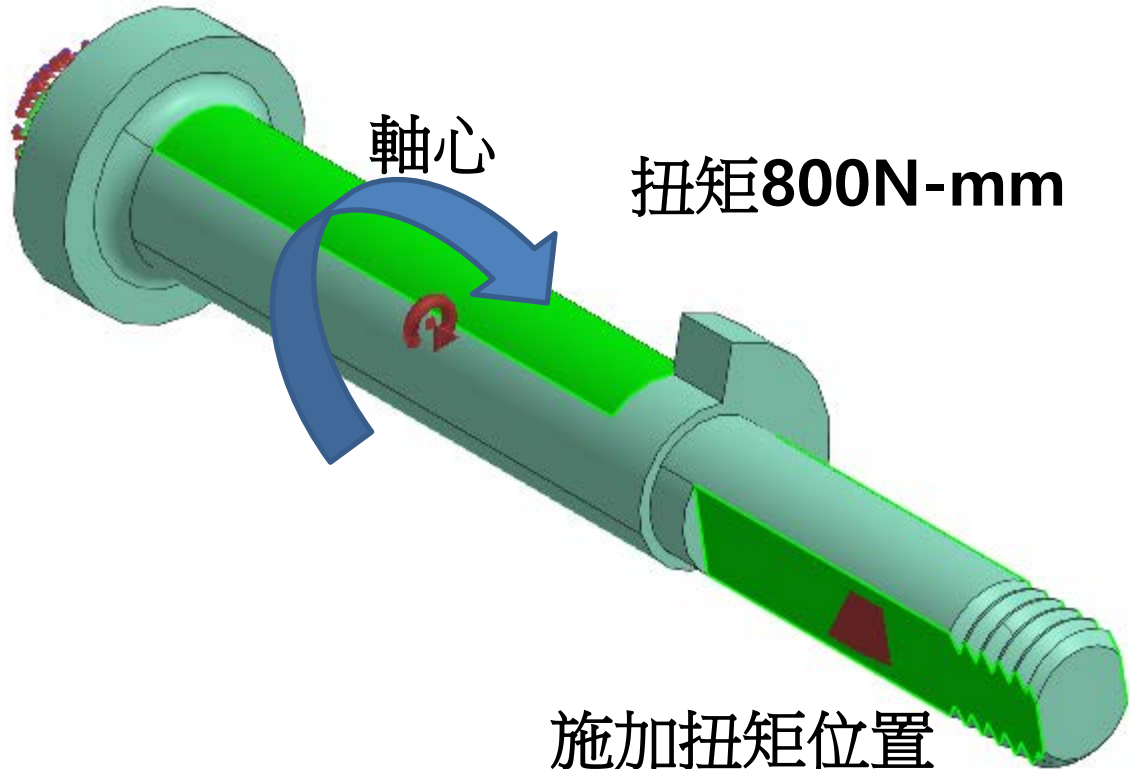
Simple, but Everything.

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固定X,Y,Z

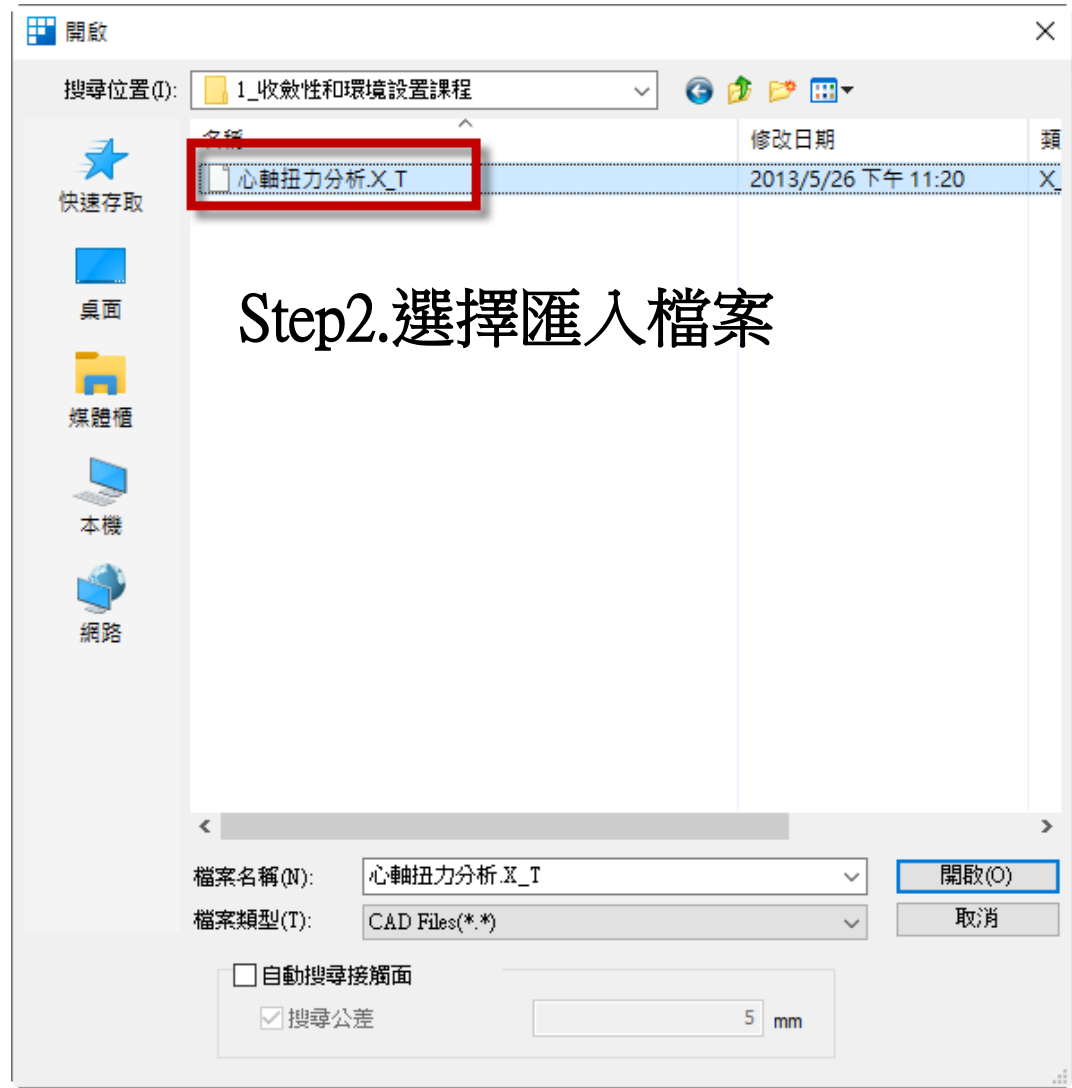




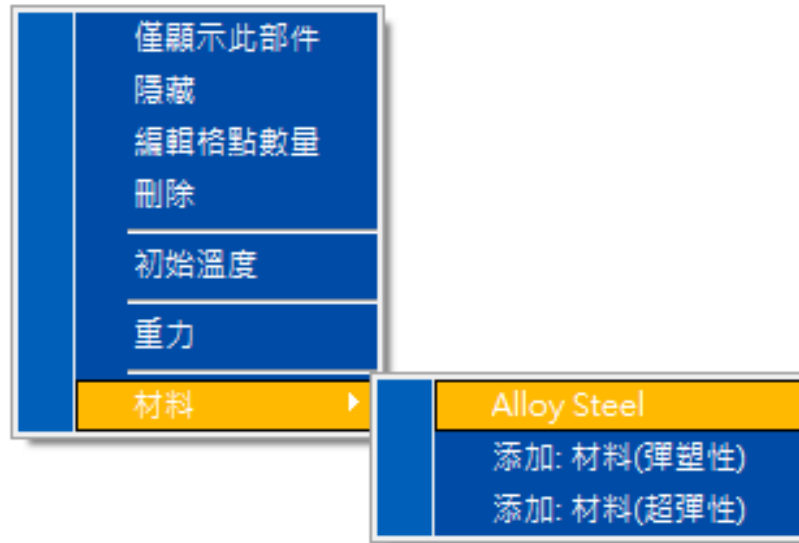
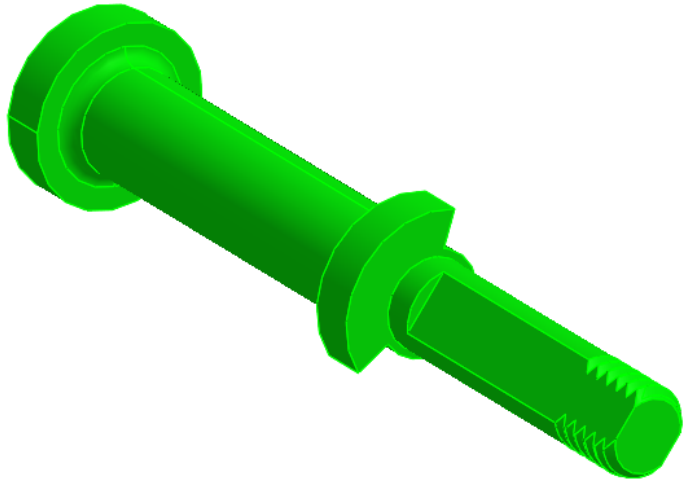
## Step1.匯入3D 模型

## MeshFree支援各類CAD 格式

- CAD Files (\*.\*)**
- Parasolid (9 - 31) Files (\*.x\_t;\*.xmt\_txt;\*.x\_b;\*.xmt\_bin)
  - ACIS (R1 - 2020 1.0) Files (\*.sat;\*.sab;\*.asat;\*.asab)
  - STEP (AP203, AP214, AP242) Files (\*.stp;\*.step)
  - IGES (Up to 5.3) Files (\*.igs;\*.iges)
  - Pro-E (16 - Creo 6.0) Files (\*.prt;\*.prt.\*;\*.asm;\*.asm.\*)
  - CATIA V4 (CATIA 4.1.9 - 4.2.4) Files (\*.model;\*.exp;\*.session)
  - CATIA V5 (V5R8 - V5-6R2019) Files (\*.CATPart;\*.CATProduct)
  - SolidWorks (98 - 2020) Files (\*.sldprt;\*.sldasm)
  - Unigraphics (11 - NX1847) Files (\*.prt)
  - Inventor Part (V6 - V2020) Files (\*.ipt)
  - Inventor Assembly (V11 - V2020) Files (\*.iam)
  - Solid Edge (V18 - ST11) Files (\*.par;\*.asm;\*.psm)



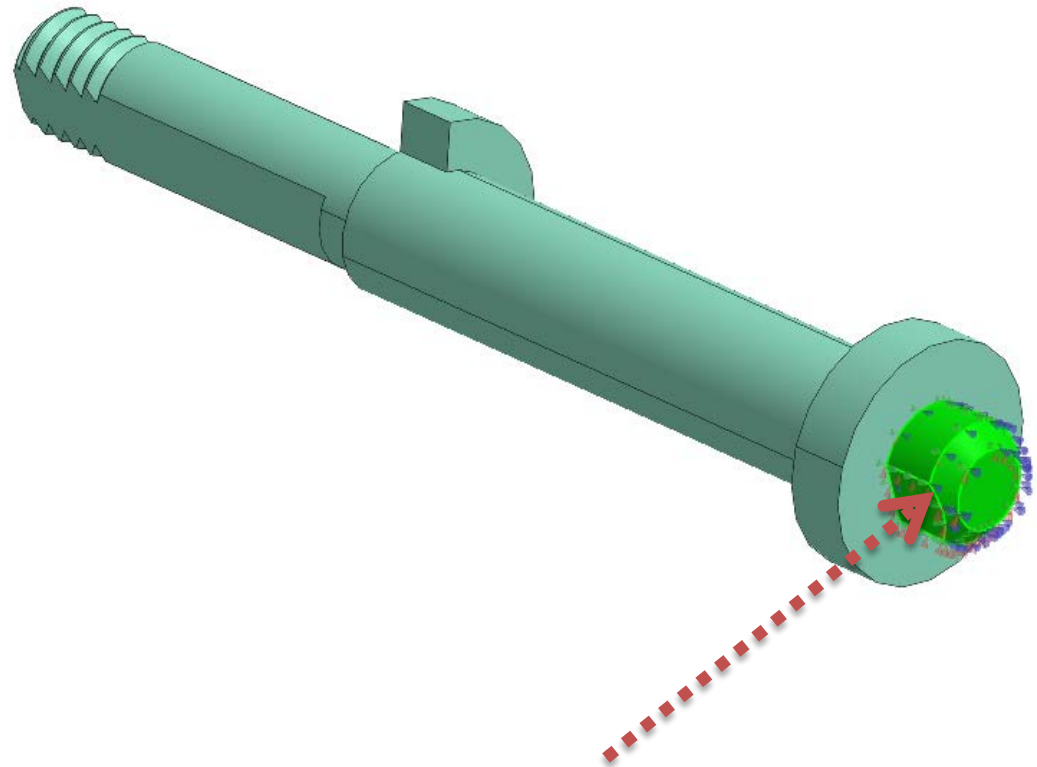
## Step2.選擇匯入檔案



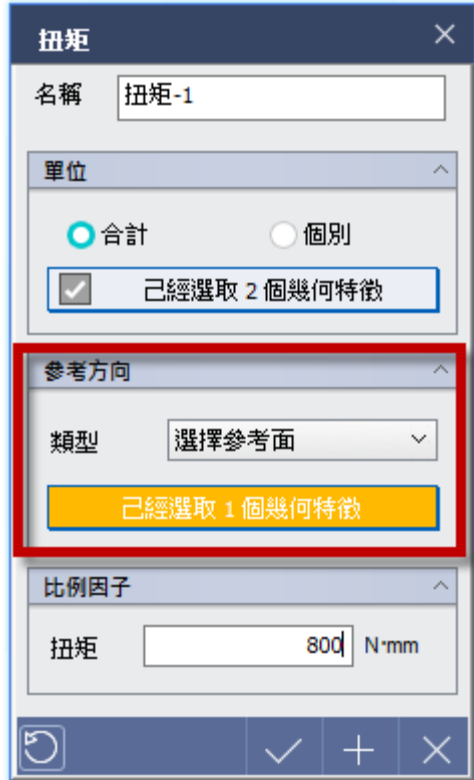
滑鼠右鍵,材料定義



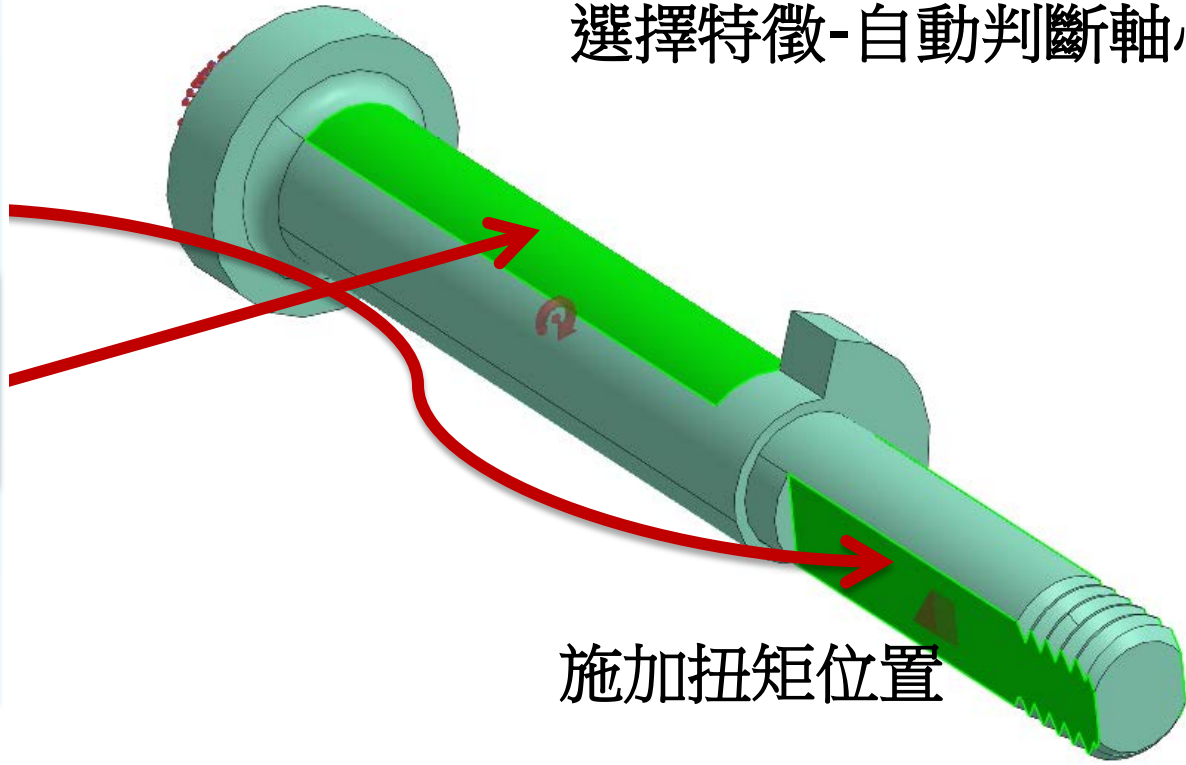
模型樹顯示指定材料



選取特徵拘束



選擇特徵-自動判斷軸心

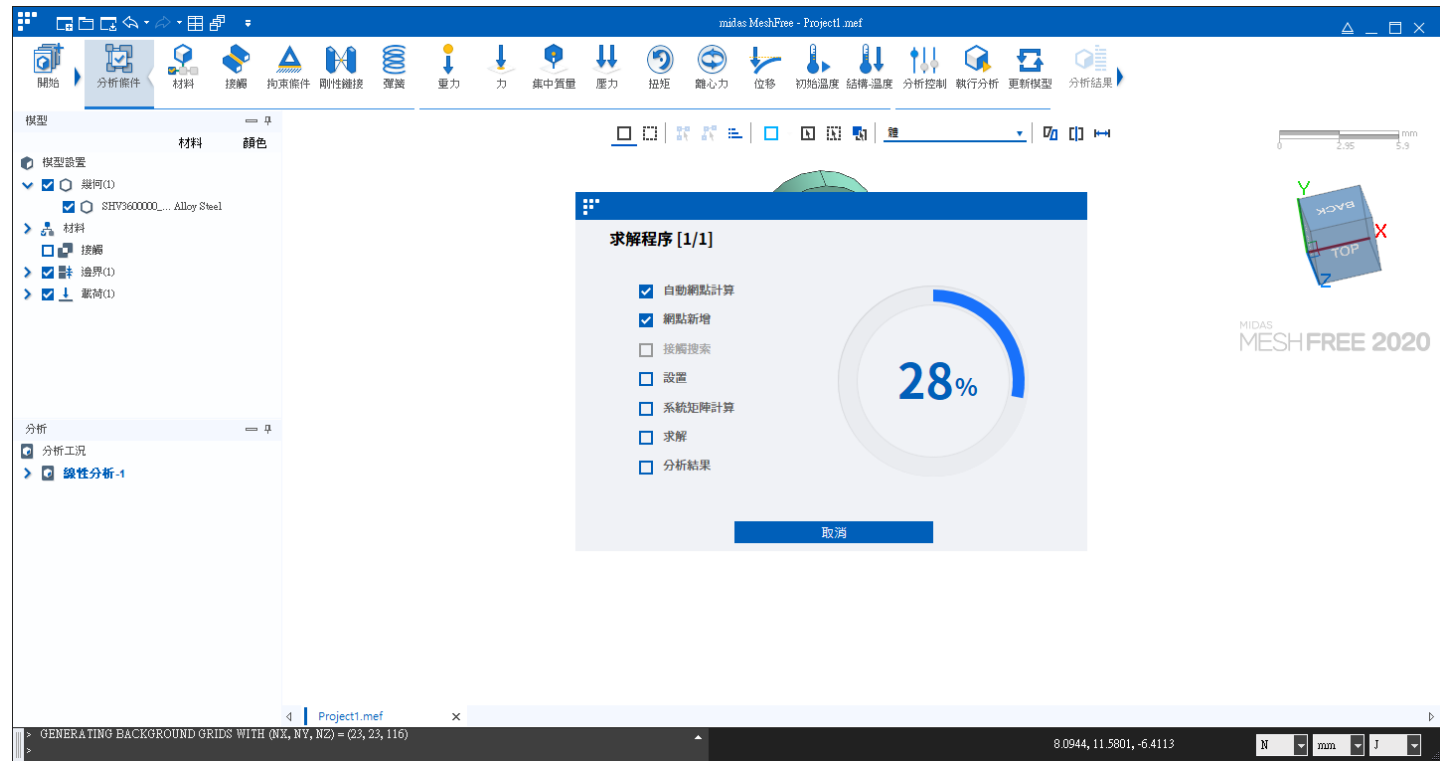


施加扭矩位置

扭矩800N-mm



記憶體大小  
1.計算速度  
2.分析準確性

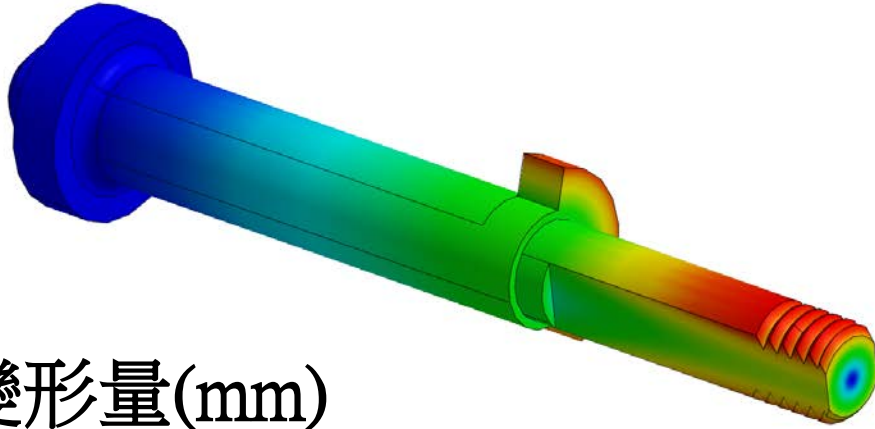


分析時間36.13ec  
(採5G Ram)

```
> [SYSTEM INFO]
> NUMBER OF THREADS : 8
> MAXIMUM MEMORY USAGE : 5785 MB
> AVAILABLE MEMORY : 12649 MB
> TOTAL CPU TIME : 159.017 sec
> WALL CLOCK TIME : 36.13 sec
> TOTAL WARNINGS : 0
```

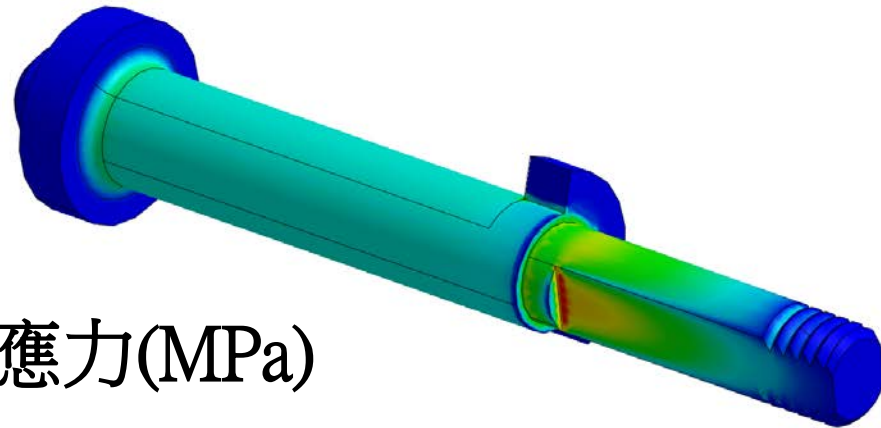


分析類型 線性分析-1  
結果 DISPLACEMENT XYZ



變形量(mm)

分析類型 線性分析-1  
結果 STRESS VON MISES



應力(MPa)