



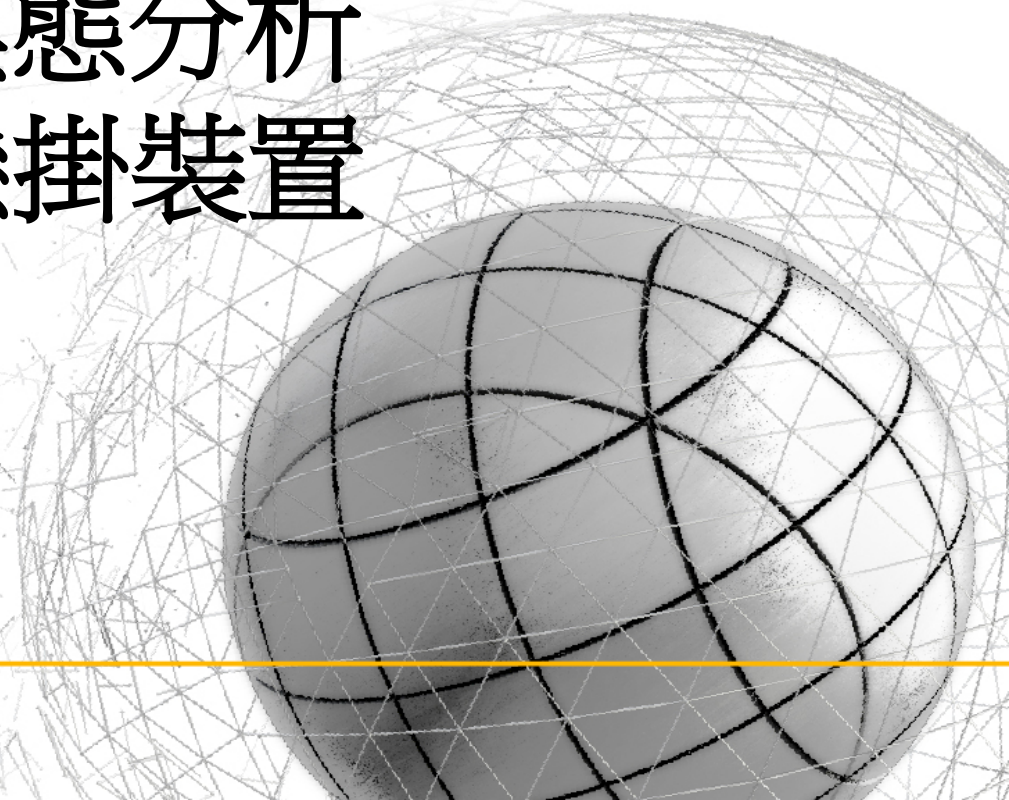
MIDAS

MESH FREE

# 預力模態分析 EX2.懸掛裝置

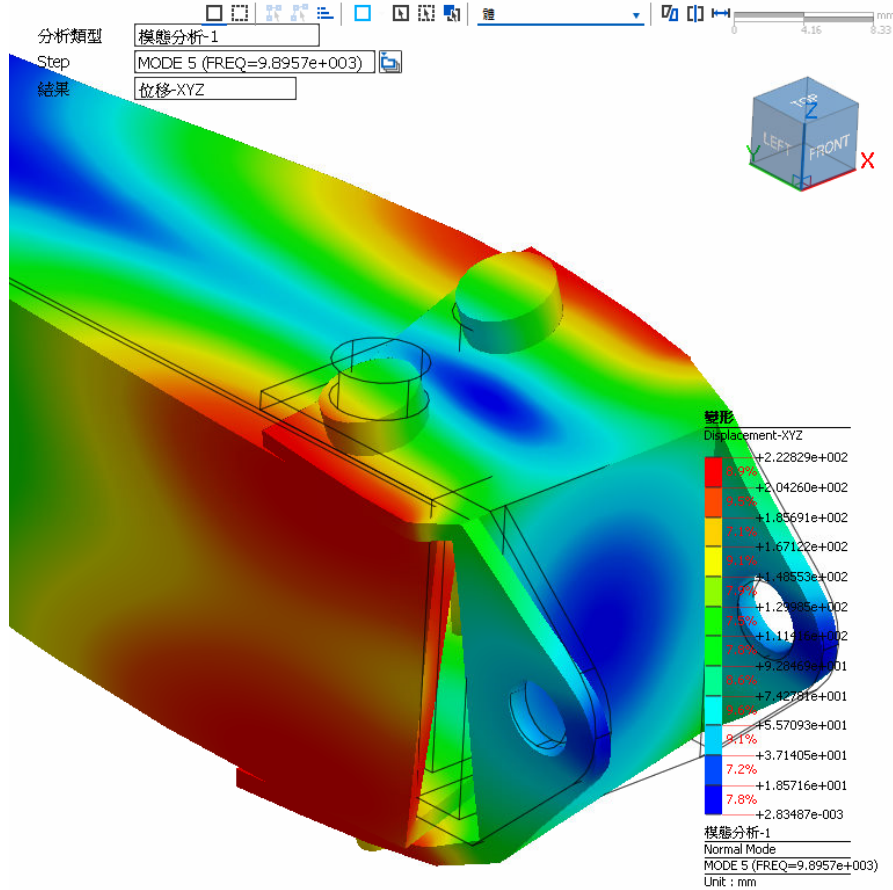
Simple, but Everything.

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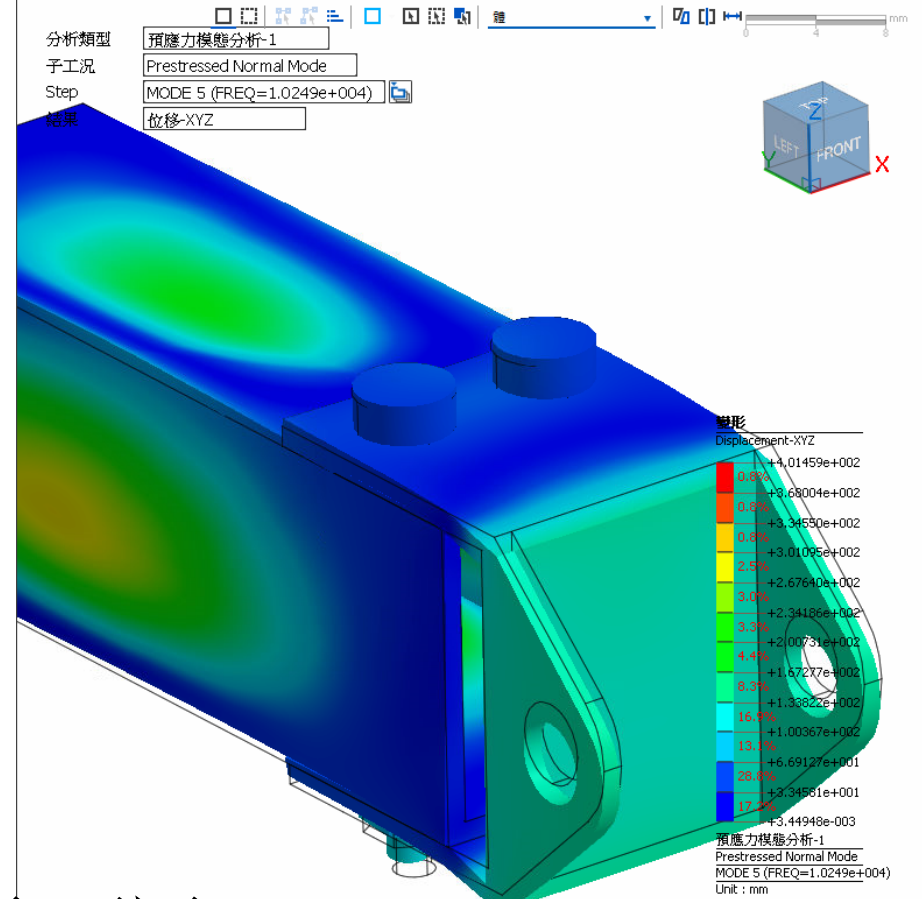
# 未施加載荷

## 模態5: $9.8957 \times 10^3 \text{ Hz}$



# 施加載荷

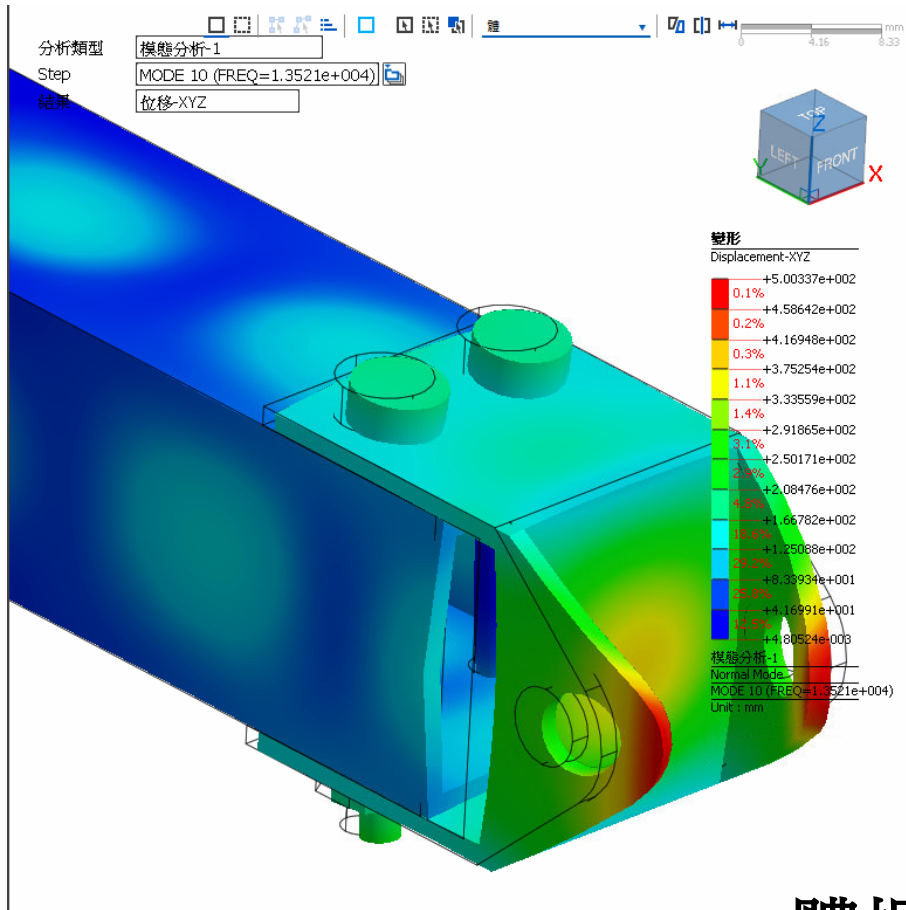
## 模態5: $1.0249 \times 10^4 \text{ Hz}$



振型完全不同

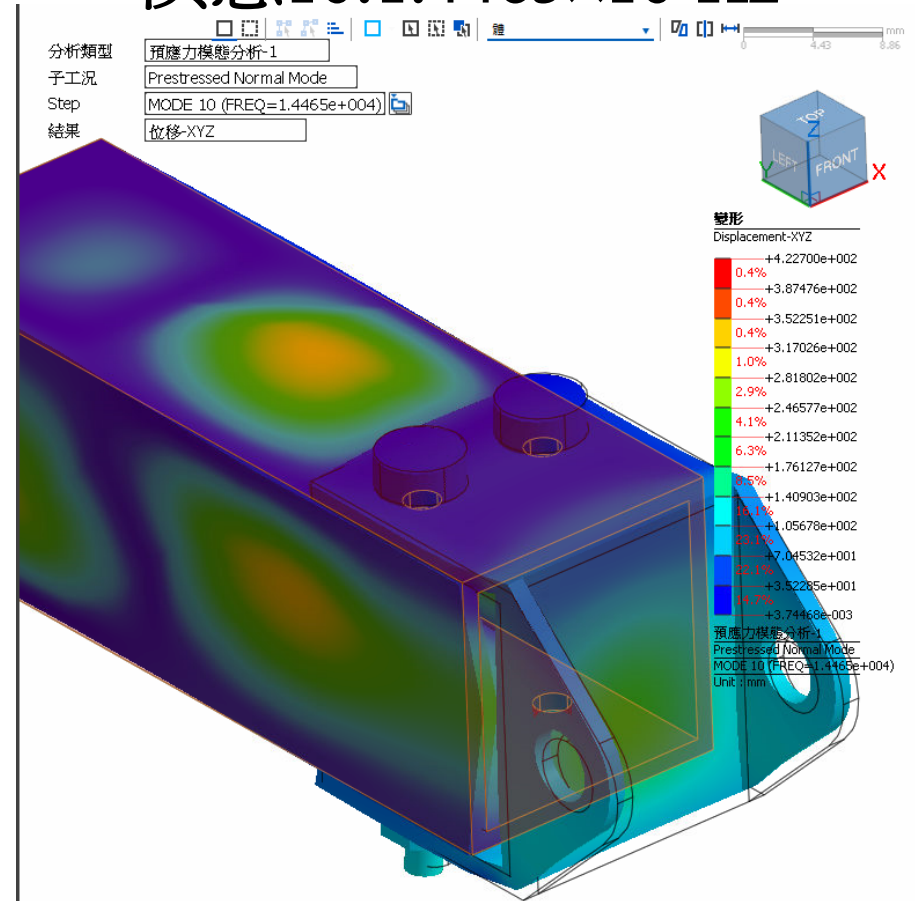
# 未施加载荷

## 模態10: $1.3521 \times 10^4 \text{ Hz}$



# 施加载荷

## 模態10: $1.4465 \times 10^4 \text{ Hz}$

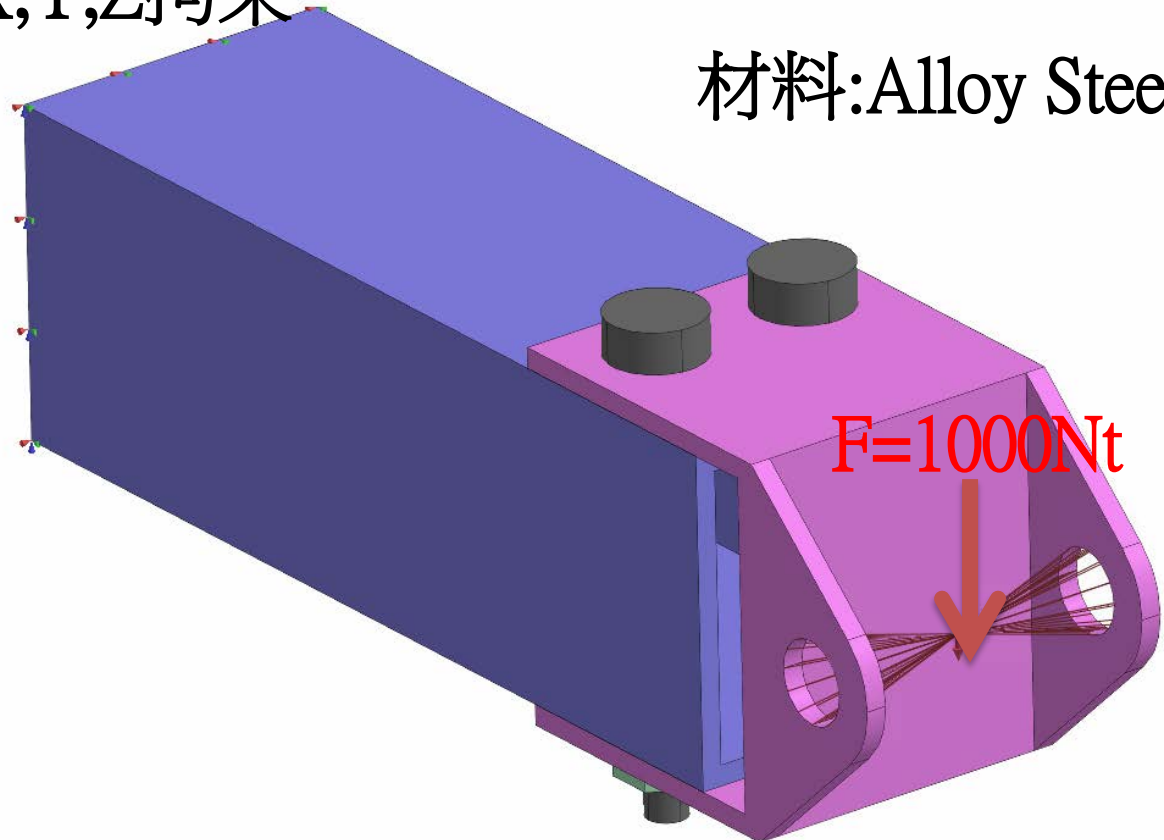


體振型不同

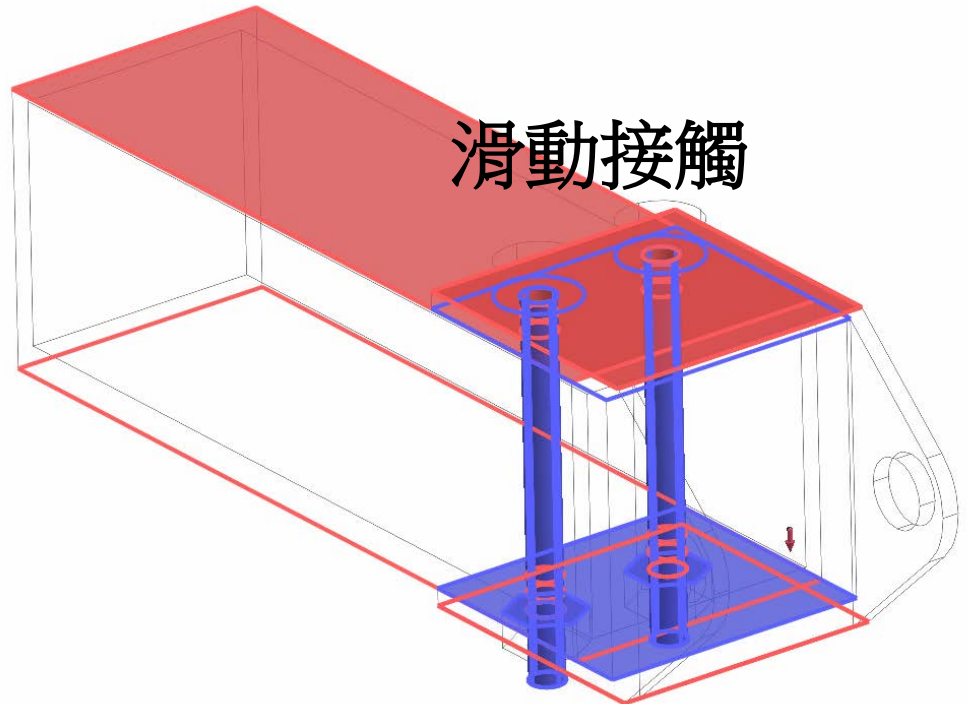
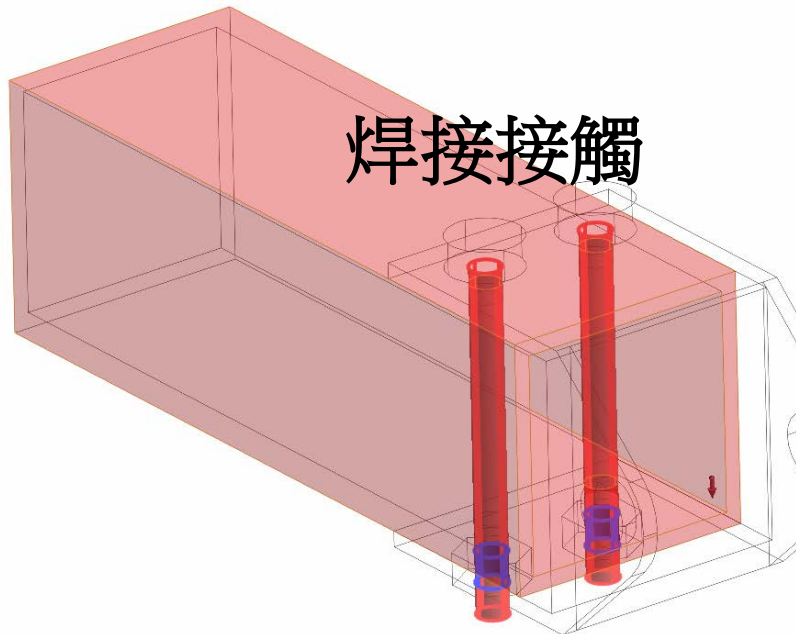


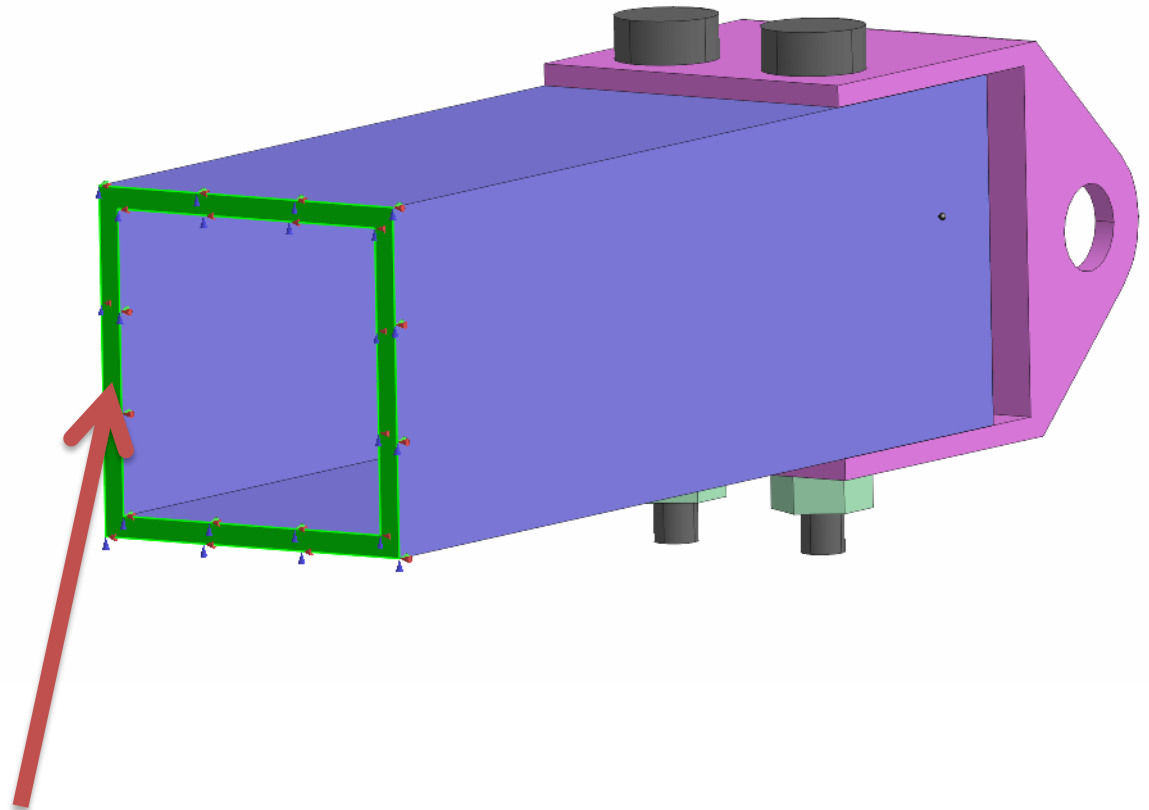
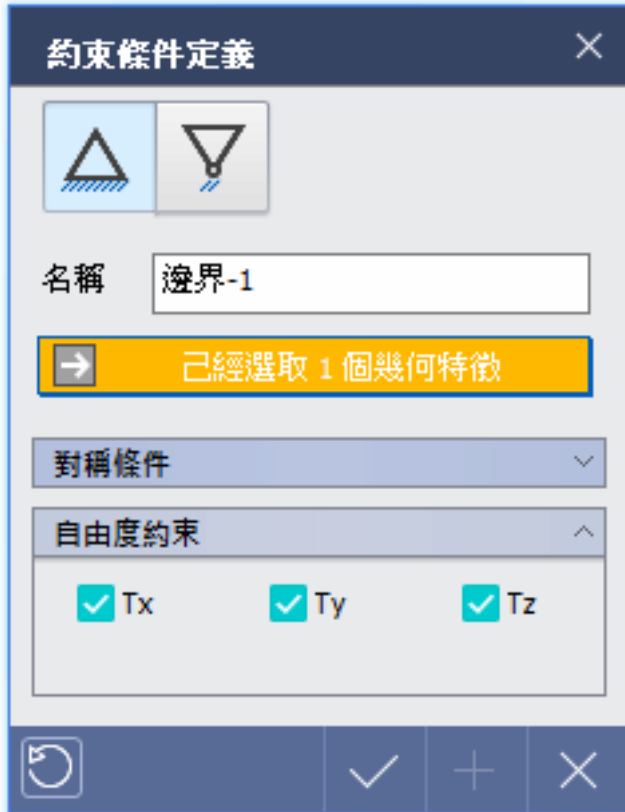
X,Y,Z拘束

材料:Alloy Steel



接觸(9)		
<input checked="" type="checkbox"/>		Bolt_02-Nut_01 焊接
<input checked="" type="checkbox"/>		Bolt_01-Nut_02 焊接
<input checked="" type="checkbox"/>		Tube-Bolt_02 滑動
<input checked="" type="checkbox"/>		Tube-Bolt_01 滑動
<input checked="" type="checkbox"/>		Tube-Hitch 滑動
<input checked="" type="checkbox"/>		Hitch-Bolt_02 滑動
<input checked="" type="checkbox"/>		Hitch-Bolt_01 滑動
<input checked="" type="checkbox"/>		Hitch-Nut_02 滑動
<input checked="" type="checkbox"/>		Hitch-Nut_01 滑動



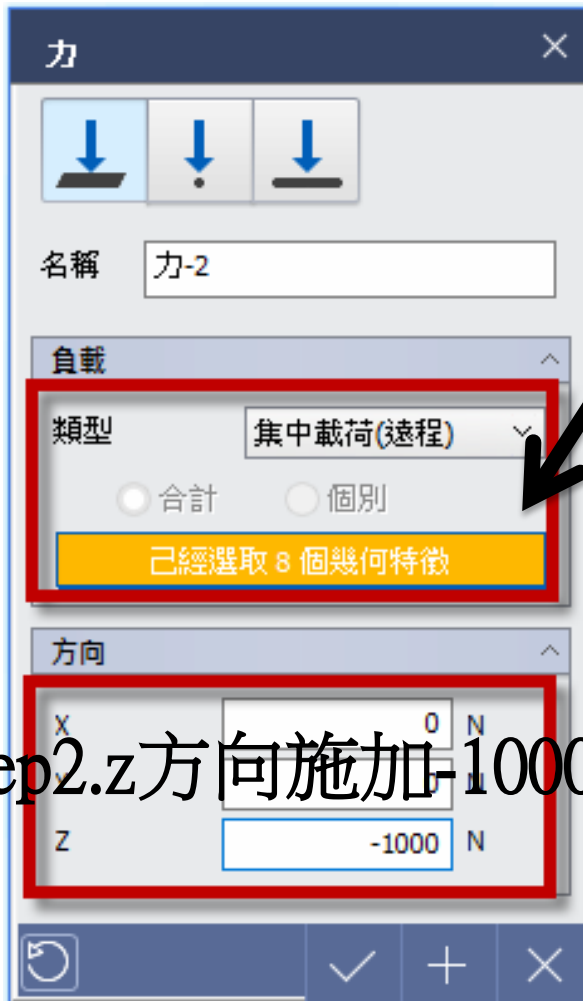


拘束(X,Y,Z)

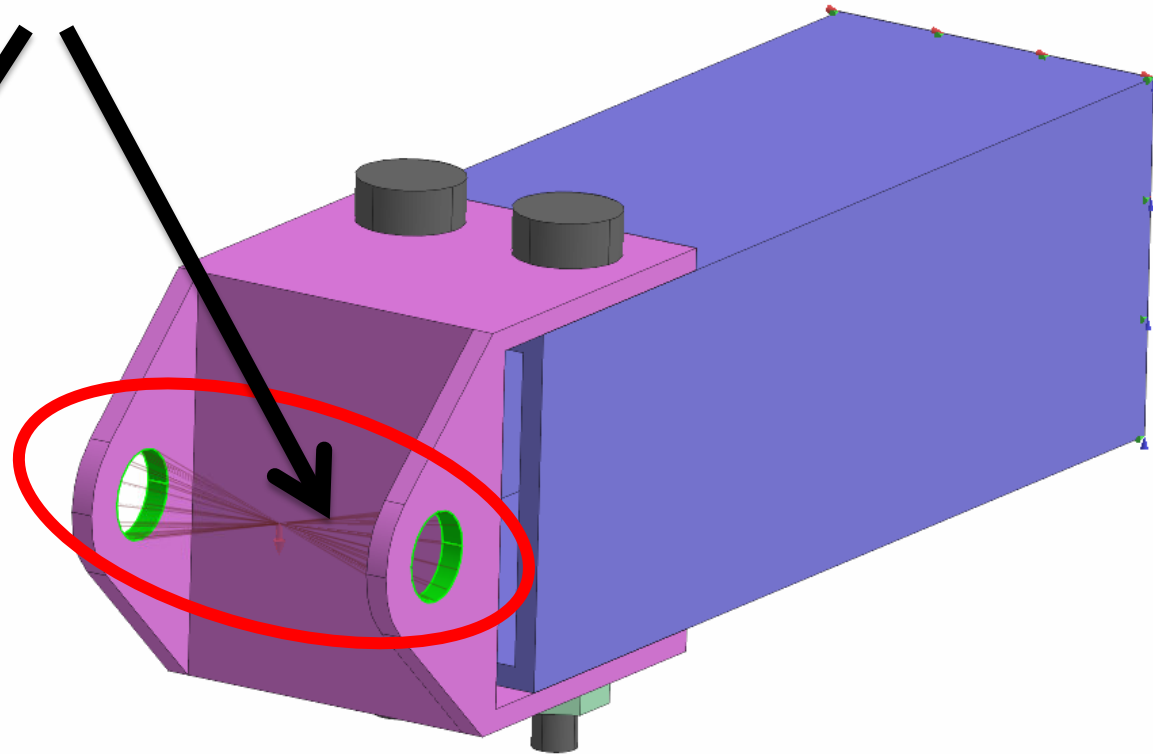


載荷

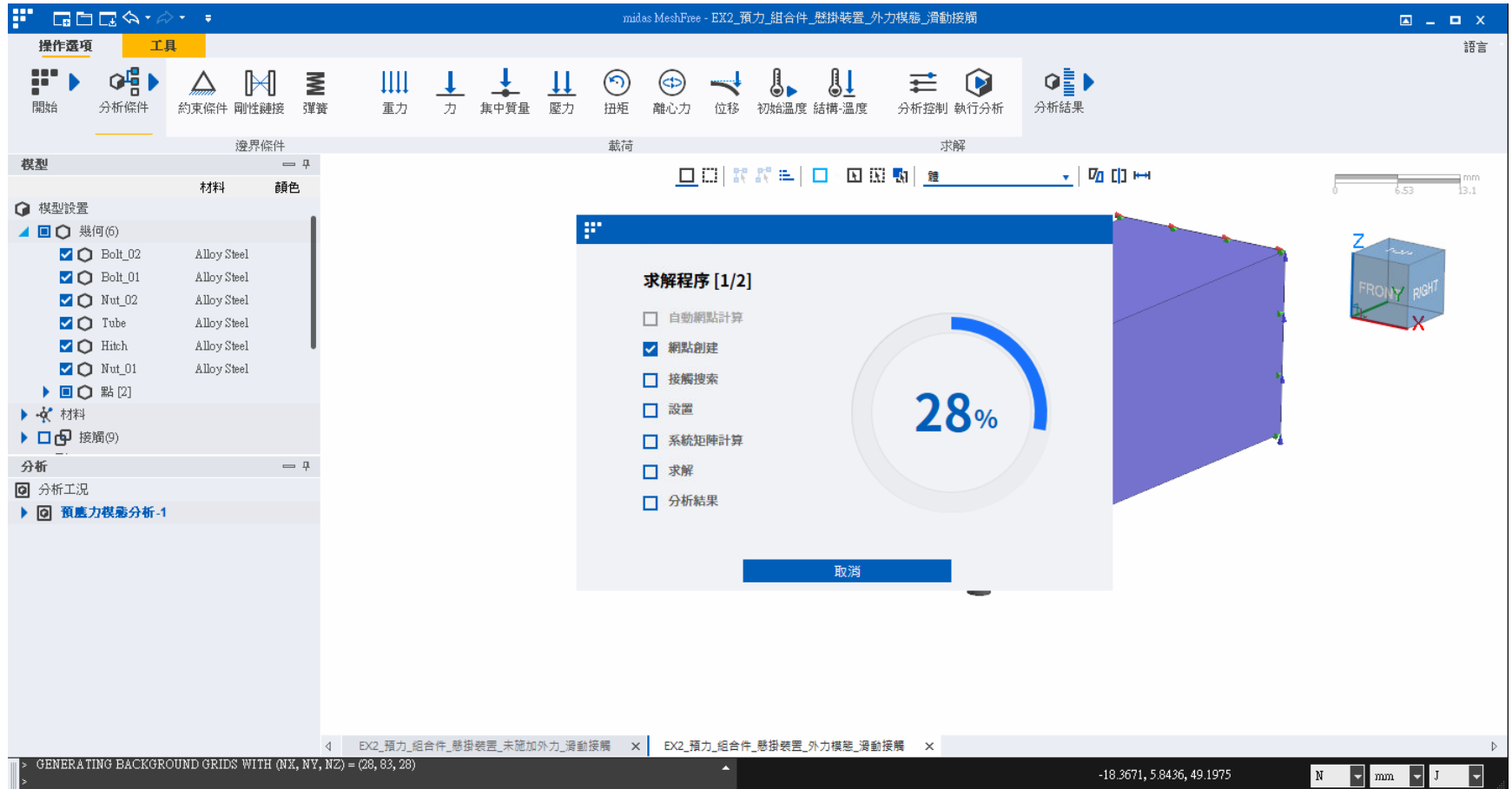
Step1. 採用集中載荷, 選擇2個圓孔特徵面



Step2. z方向施加-1000Nt



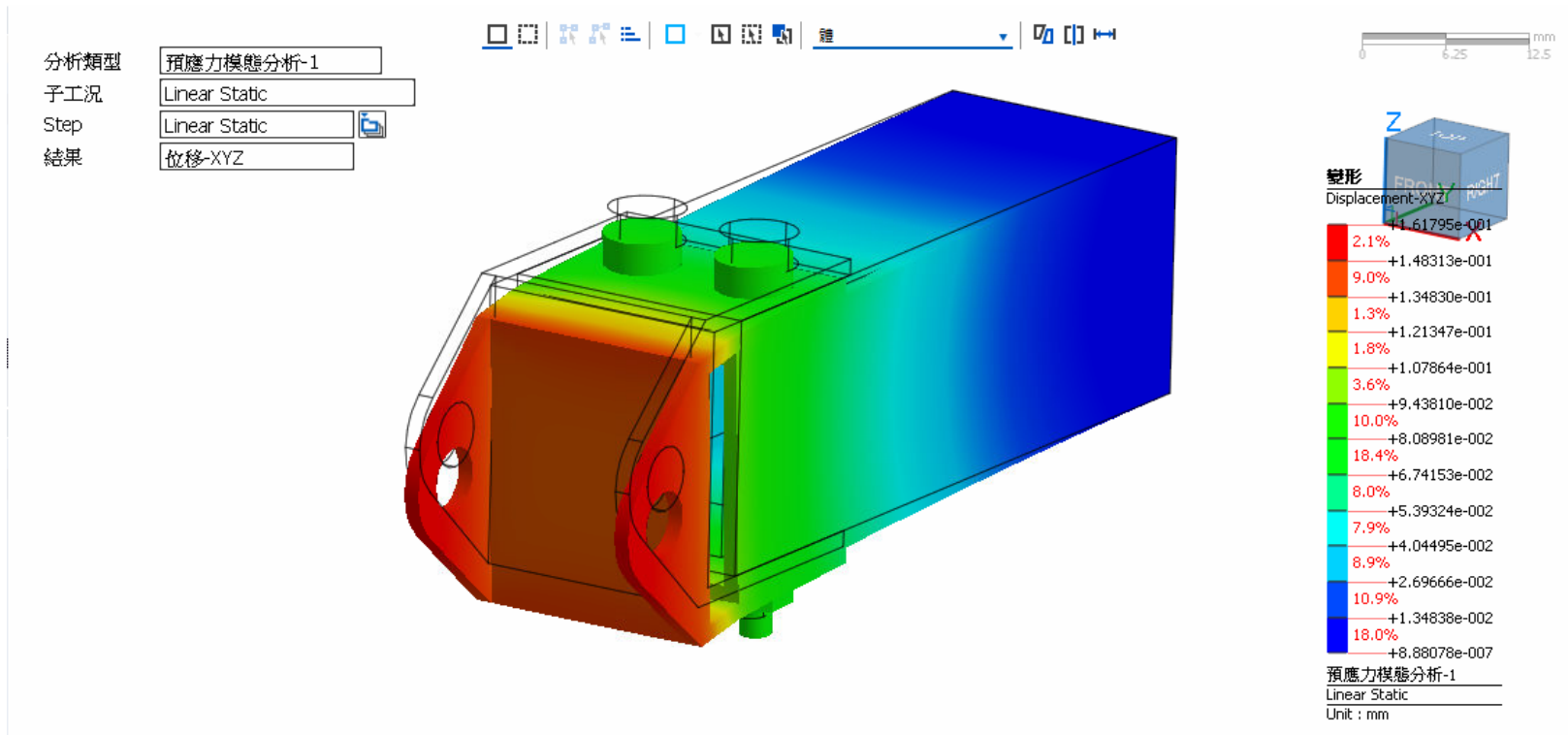
# 執行分析





分析類型	預應力模態分析-1
子工況	Linear Static
Step	Linear Static 
結果	位移-XYZ

← 子工況: 選取Linear Static



變形(mm)

分析類型	預應力模態分析-1
子工況	Prestressed Normal Mode
Step	MODE 10 (FREQ=1.4465e+004)
結果	位移-XYZ

子工況: 選取Pre-stressed Normal Model

Step: 選擇各模態

