



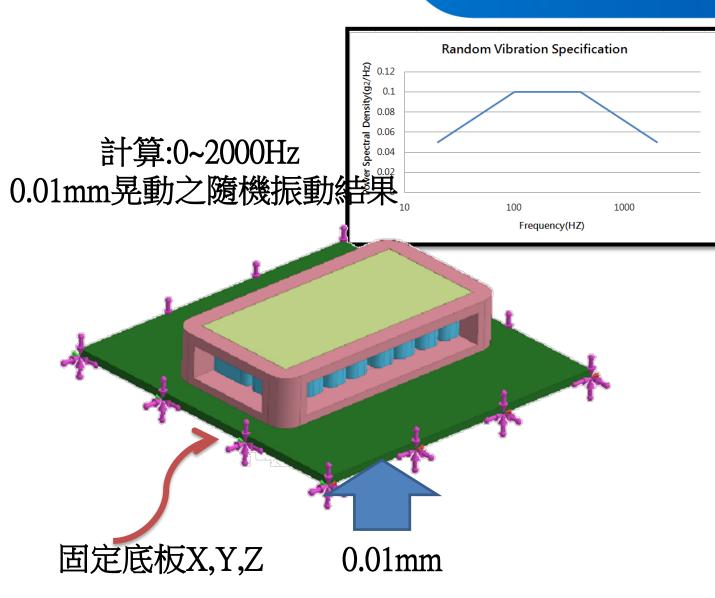
隨機振動 EX1.車用電池組

Simple, but Everything.





隨機響應-模態法



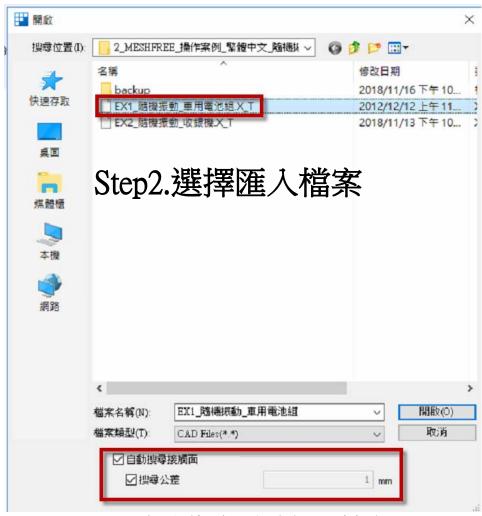




Step1. 匯入3D 模型

## MeshFree支援各類CAD 格式

Parasolid (9 - 29) Files (\*.x\_t;\*.xmt\_txt;\*.x\_b;\*.xmt\_bin)
ACIS (R1 - 2017 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 3.0) Files (\*.prt;\*.prt.\*;\*.asm;\*.asm.\*)
CATIA V4 (CATIA 4.1.9 - 4.2.4) Files (\*.model;\*.exp;\*.session)
CATIA V5 (V5R8 - V5-6R2016) Files (\*.CATPart;\*.CATProduct)
Solid Works (98 - 2017) Files (\*.sldprt;\*.sldasm)
Unigraphics (11 - NX11) Files (\*.prt)
Inventor Part (V6 - V2017) Files (\*.ipt)
Inventor Assembly (V11 - V2017) Files (\*.ism)
Solid Edge (V18 - ST9) Files (\*.par;\*.asm;\*.psm)

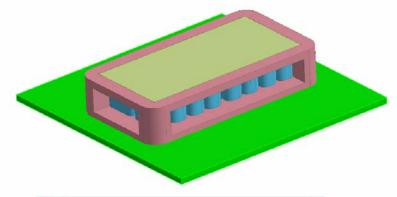


Step3.開啓自動搜尋接觸面





## 框選夾具特徵



模型		- 4
	材料	顏色
🚄 🛂 🔘 幾何(19)		
☑ 🗘 夾具	Alloy Steel	
☑ ○ 電池禁16	未指定	
☑ ○ 電池禁15	未指定	
☑ ○ 電池总14	未指定	
☑ ○ 電池禁13	未指定	
☑ ○ 電池統12	未指定	
☑ ○ 電池禁11	未指定	
☑ ○ 電池禁10	未指定	
☑ ○ 電池部9	未指定	
☑ ○ 電池禁8	未指定	
☑ ○ 電池总7	未指定	
☑ ○ 電池禁6	未指定	
☑ ○ 雷油燃5	<b>丰</b> 地定	



滑鼠右鍵,材料定義

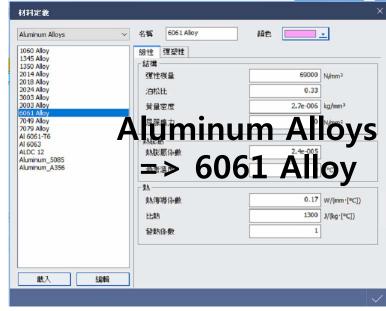


模型樹會顯示指定的材料





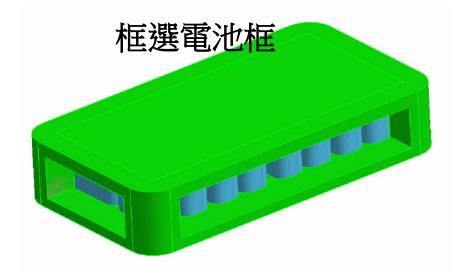






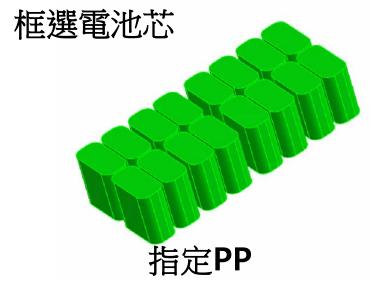
= > PP Prof (30% Glass fiber)
PET (30% Glas





指定 6061 Alloy





(Homopolymer, flame retarded V0

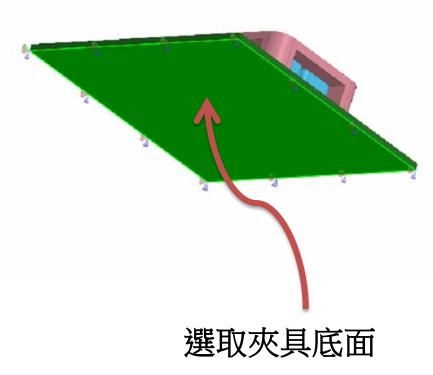








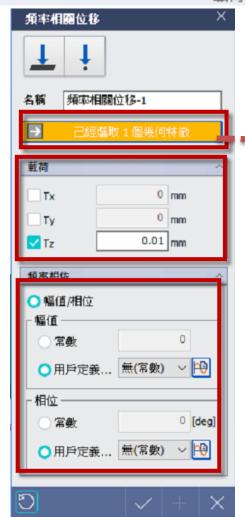


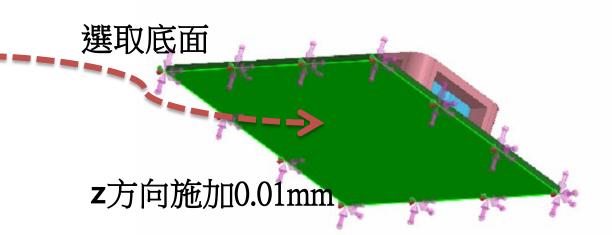






載荷





均勻受激振0.01mm 不考慮輻值/相位變化



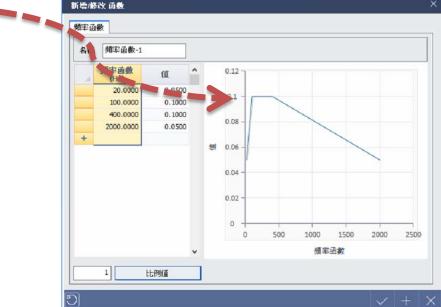


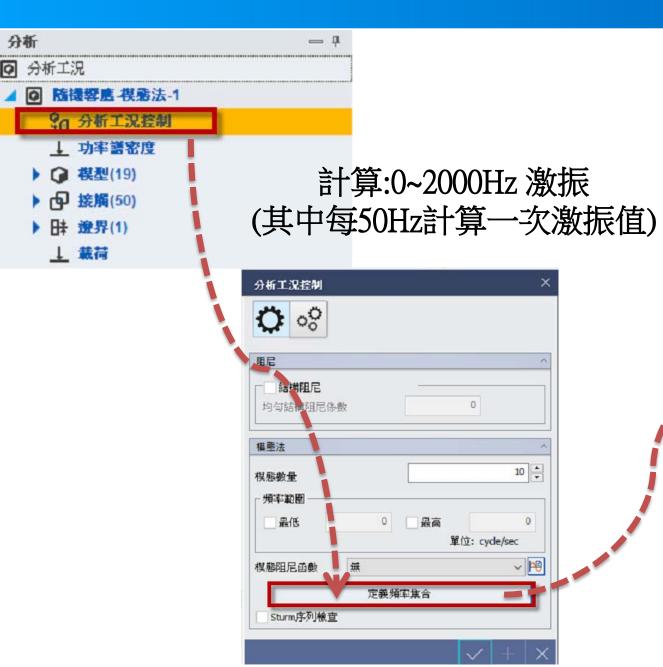


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F) 率函

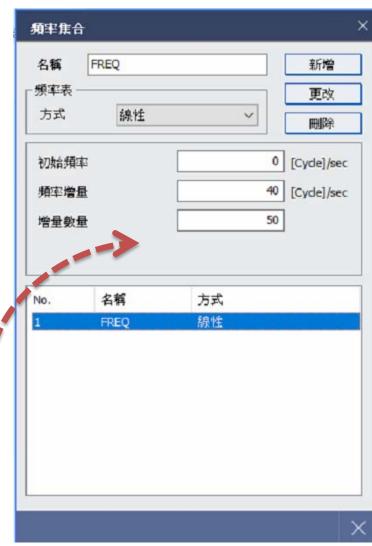
Frequency(HZ)	Power Spectral Density(g2/Hz)
20	0.05
100	0.1
400	0.1
2000	0.05

輸入PSD曲線

















記憶體大小 1.計算速度 2.分析準確性





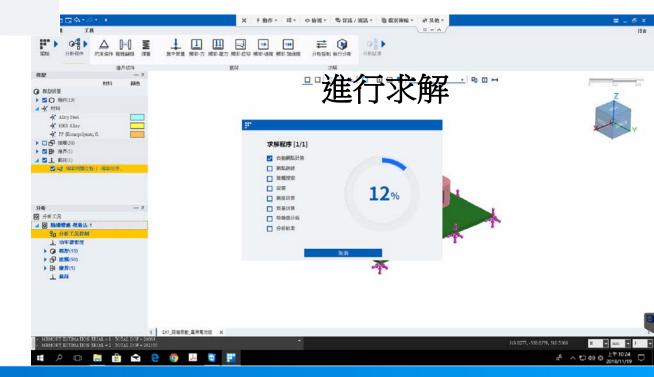
## 匯出計算資訊

**Export Mec File** 

49%

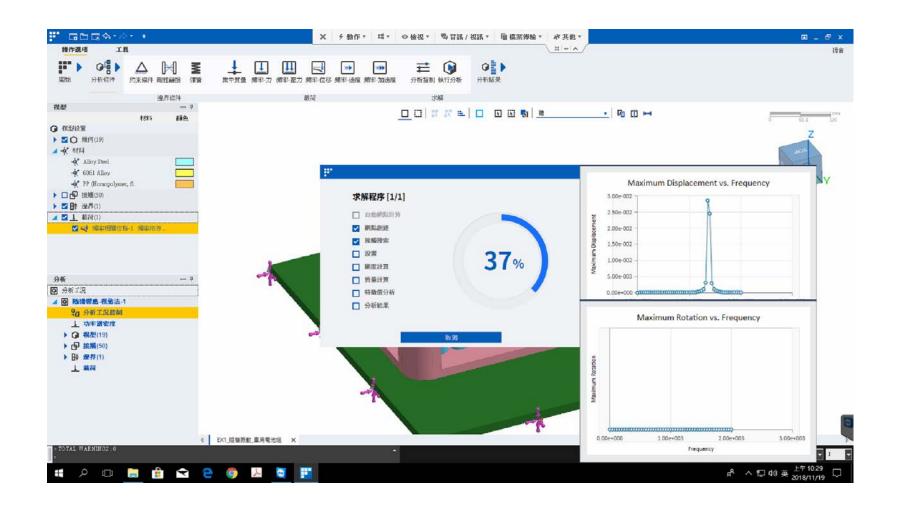
匯出幾何數據...

取消





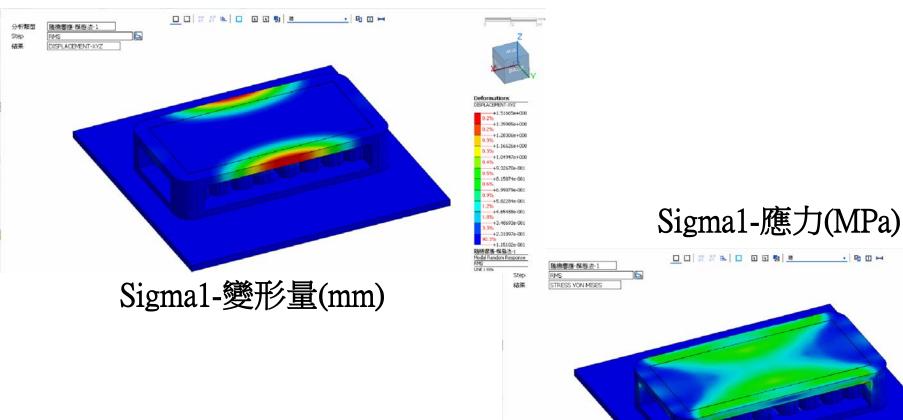














+1.67242e+002 % +1.53305e+002 % +1.39369e+002

1.8% +8.36211e+001 1.8% +6.96042e+001 2.7% +6.96042e+001 3.1% +1.8105e+001 4.4% +2.76737e+001 7.0% +1.39369e+001 76.0% +2.14778e-006 5484智術・根稿池-1