



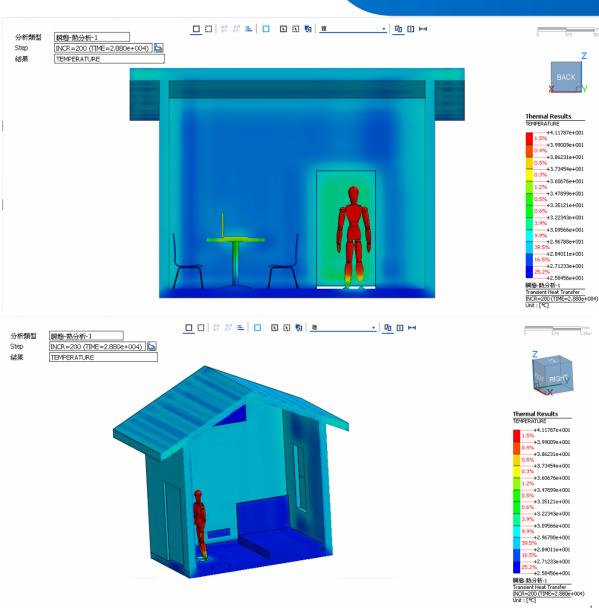
瞬態熱響應 EX3.建築通風散熱

Simple, but Everything.





瞬態-熱



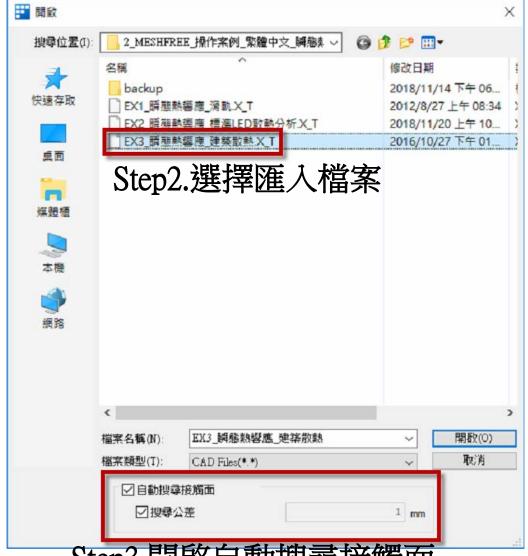




Step1. 匯入3D 模型

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 (*.iam)
Solid Edge (V18 - ST9) Files (*.par;*.asm;*.psm)

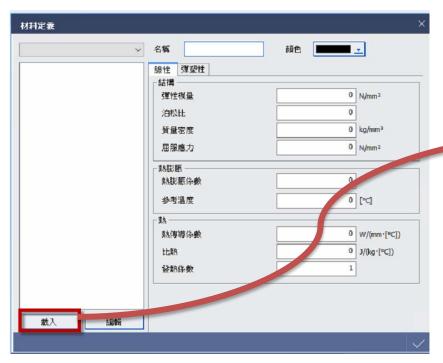


Step3.開啓自動搜尋接觸面

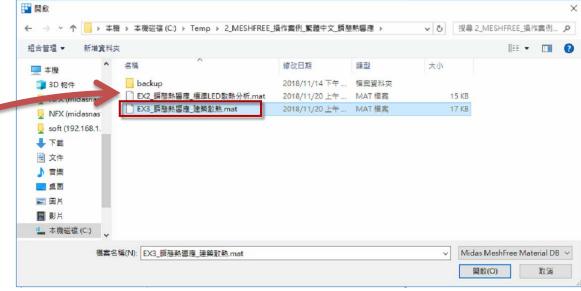








選擇匯入材料檔 EX3_瞬態熱響應_建築散熱.mat









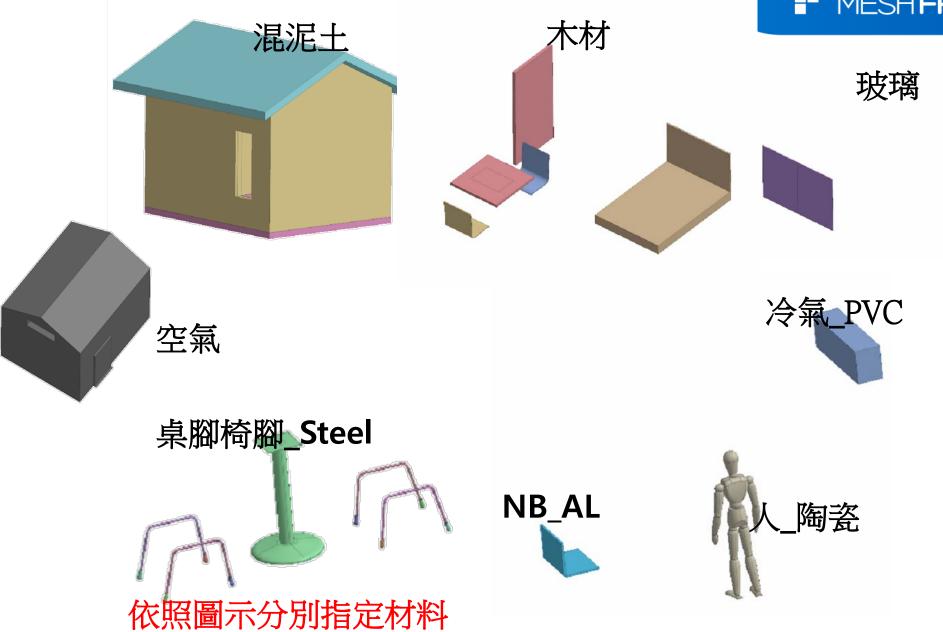


分別新增到材料模型樹







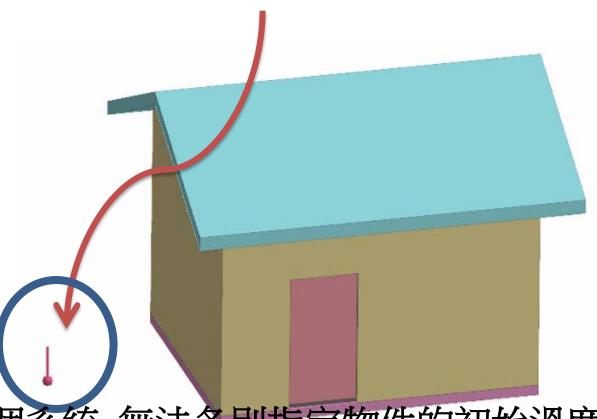






初始溫度定義標誌





註:初始溫度是針對整個系統,無法各別指定物件的初始溫度













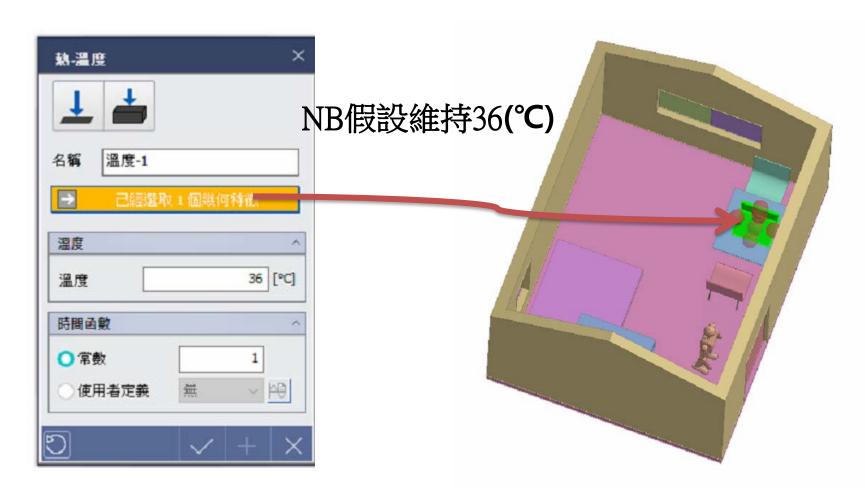






裁结

北解















裁结



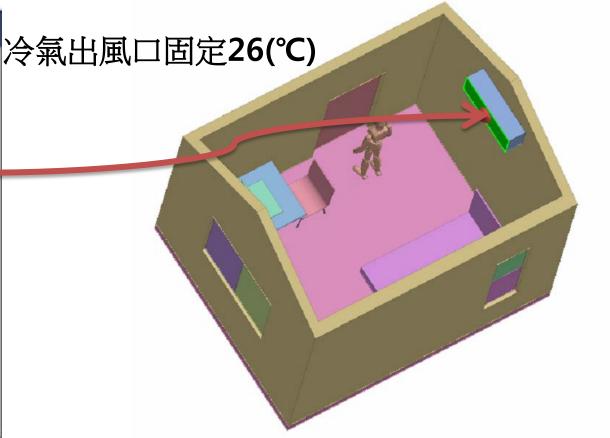






北解





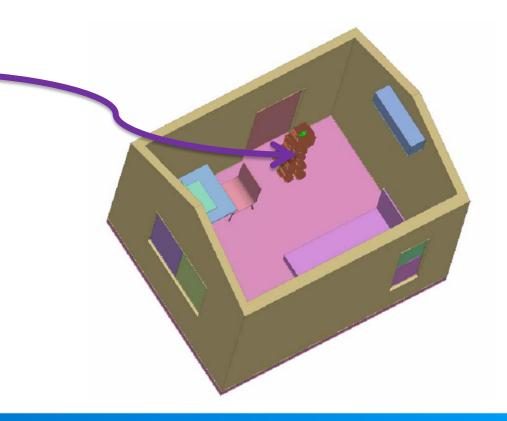






人體單位體積熱源1 E-6 Watt/mm³





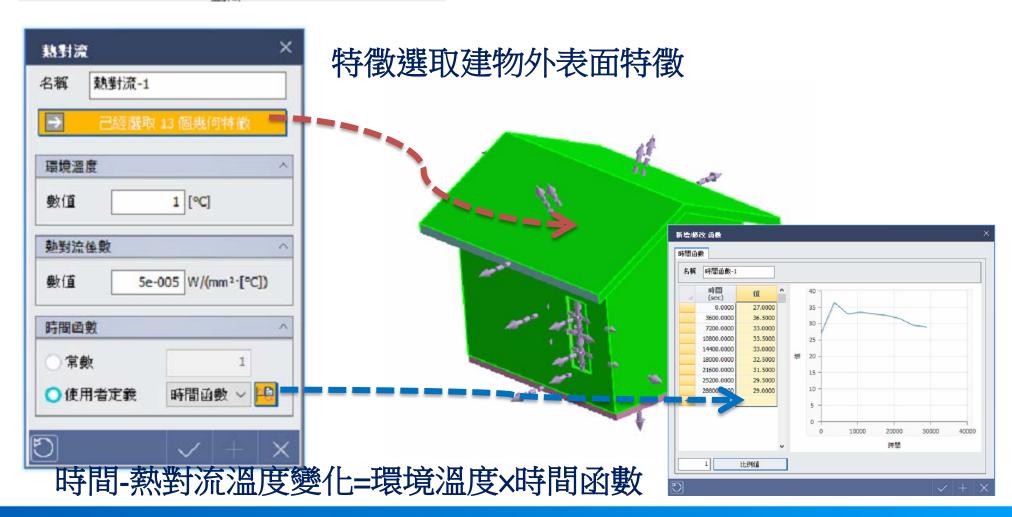






空氣熱對流係數: 5 x10⁻⁵ (W/mm² ℃)

載荷







- 1.計算8小時(28800sec)
- 2.等分成200次計算(每144sec計算一次)











記憶體大小 1.計算速度 2.分析準確性





匯出計算資訊

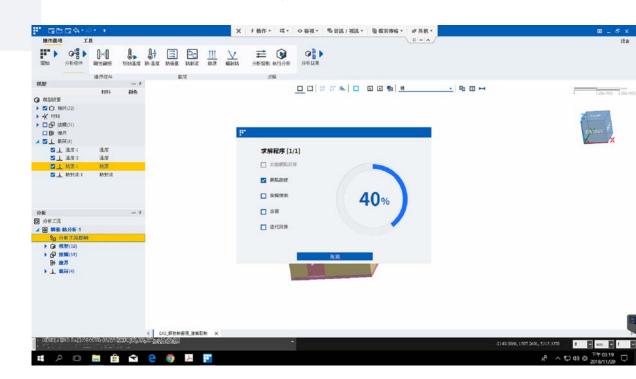
Export Mec File

49%

匯出幾何數據...

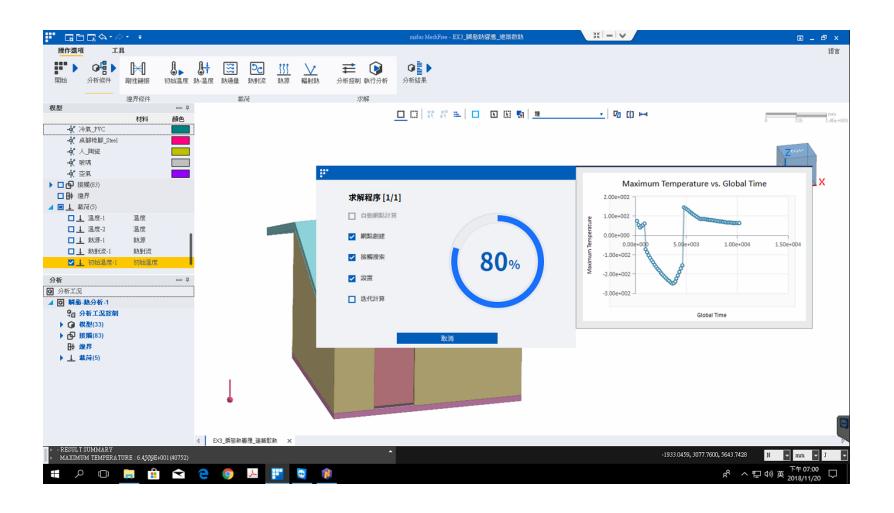
取消

進行求解













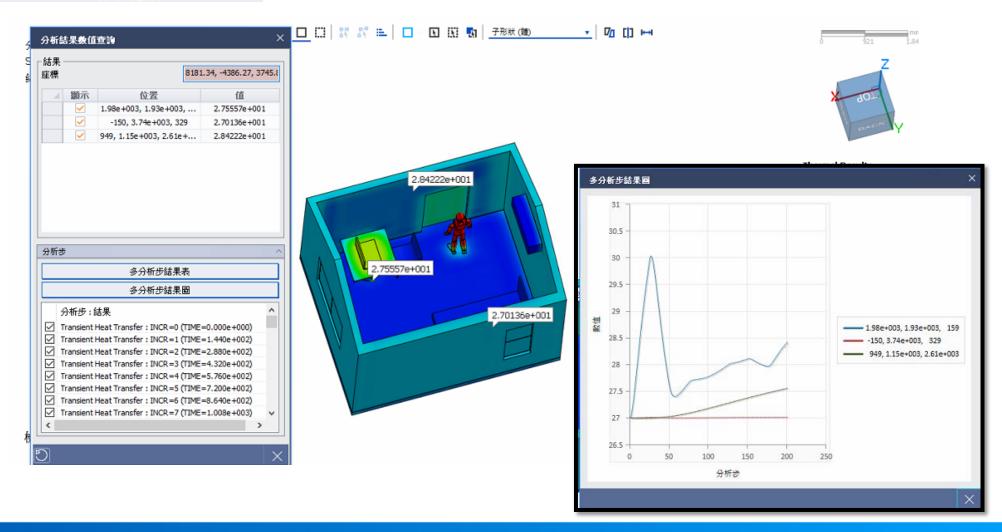








分析結果





MESH FREE