



執行 **Pushover Analysis** 時，**Pushover** 曲線一直出不來，能幫我看看模型是哪裡有問題嗎？

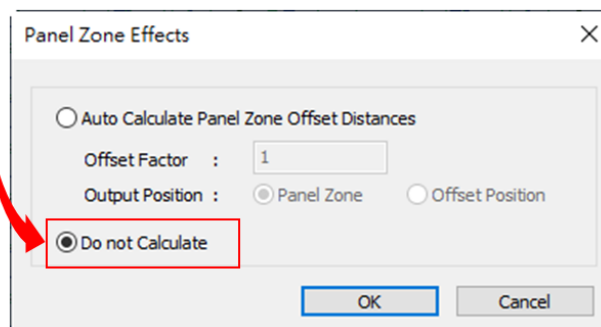
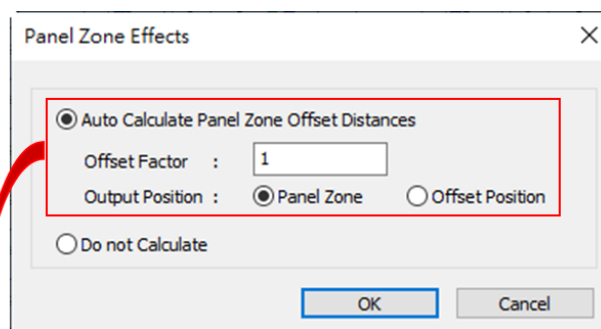


我已經看你的模型。分析以後，有 Error Message “WARNING : ELEMENT NO. (...) HAS ZERO LENGTH BY OFFSET.”

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-----STARTING SOLUTION
MULTI-FRONTAL SOLVER
AVAILABLE MEMORY = 22.4 GBYTES
GPU ACCELERATION : DISABLED (NOT SUITABLE COMPUTE CAPABILITY)
ENTRY NUMBERING_EQN
ENTRY FORM_STIFF_MASS_LOAD
THE INDIVIDUAL ELEMENT STIFFNESS AND LOAD MATRICES WILL NOW BE FORMED.
ELEMENT NO. : 1500 OF 1800
WARNING : ELEMENT NO. 1532 HAS ZERO LENGTH BY OFFSET.
WARNING : ELEMENT NO. 1533 HAS ZERO LENGTH BY OFFSET.
WARNING : ELEMENT NO. 1534 HAS ZERO LENGTH BY OFFSET.
WARNING : ELEMENT NO. 1535 HAS ZERO LENGTH BY OFFSET.
WARNING : ELEMENT NO. 1536 HAS ZERO LENGTH BY OFFSET.
WARNING : ELEMENT NO. 1537 HAS ZERO LENGTH BY OFFSET.
WARNING : ELEMENT NO. 1538 HAS ZERO LENGTH BY OFFSET.
WARNING : ELEMENT NO. 1539 HAS ZERO LENGTH BY OFFSET.
WARNING : ELEMENT NO. 1540 HAS ZERO LENGTH BY OFFSET.
    
```

這個問題因為你輸入 Panel Zone Effect 以後，有一些 Element 沒有 Length。所以你應該 Remove Panel Zone Effect (在 Boundary > Panel Zone Effect > 選 Do not Calculate)。Run Pushover Analysis 以後，Pushover 曲線沒有問題。



**Pushover Curve** ✕

Pushover Load Case: PUSH\_X

Plot Type

Capacity Curve (MDOF)

Base Shear vs. Displacement

Shear Coefficient vs. Displacement

Shear Coefficient vs. Drift

Load Factor vs Displacement

Additional Curves at Other Nodes

Capacity Spectrum (SDOF)

For Performance Point

FEMA440 Procedure-A

For Target Displacement

EC8/OPCM

Demand Spectrum

Define Elastic Spectrum...

Demand Spectra at Damping Ratios (%)

Constant Period Lines at Periods (sec)

Damping Parameters

Inherent + Additional Damping (%)

Structural Behavior Type A

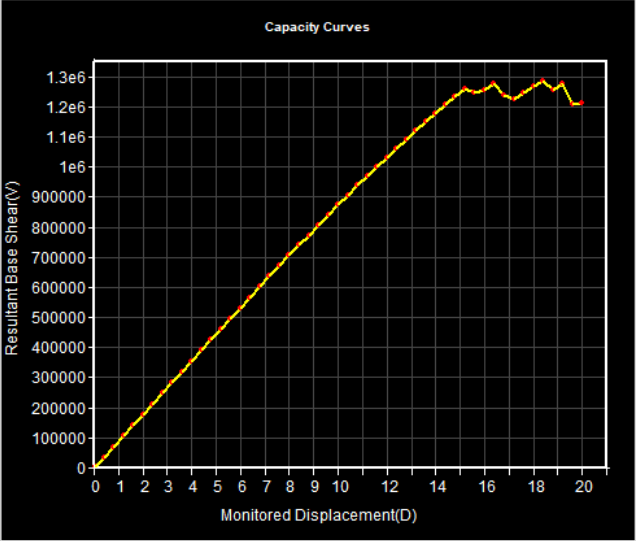
Transformation Factor (Gamma) Calculation

Based on 2D Behavior (EC8-1:2004 Annex B)

Based on 3D Behavior

Additional Pushover Step for Story Drift Text Output Draw  Show Ref. Line  Show Symbol Close

**Capacity Curves**



Description for Printed Output

Show Ultimate Displacement (EC8-2) D

Performance Point

Displ. Control Node: 5013 Dir.: DX

Load Pattern: Static Load

Step	
V,D	
Sa,Sd	
Teff,Deff	

Graph Display Option

Background Color  Black  White

Change Graph Title

Change Graph Range

Save Window As \*.bmp