

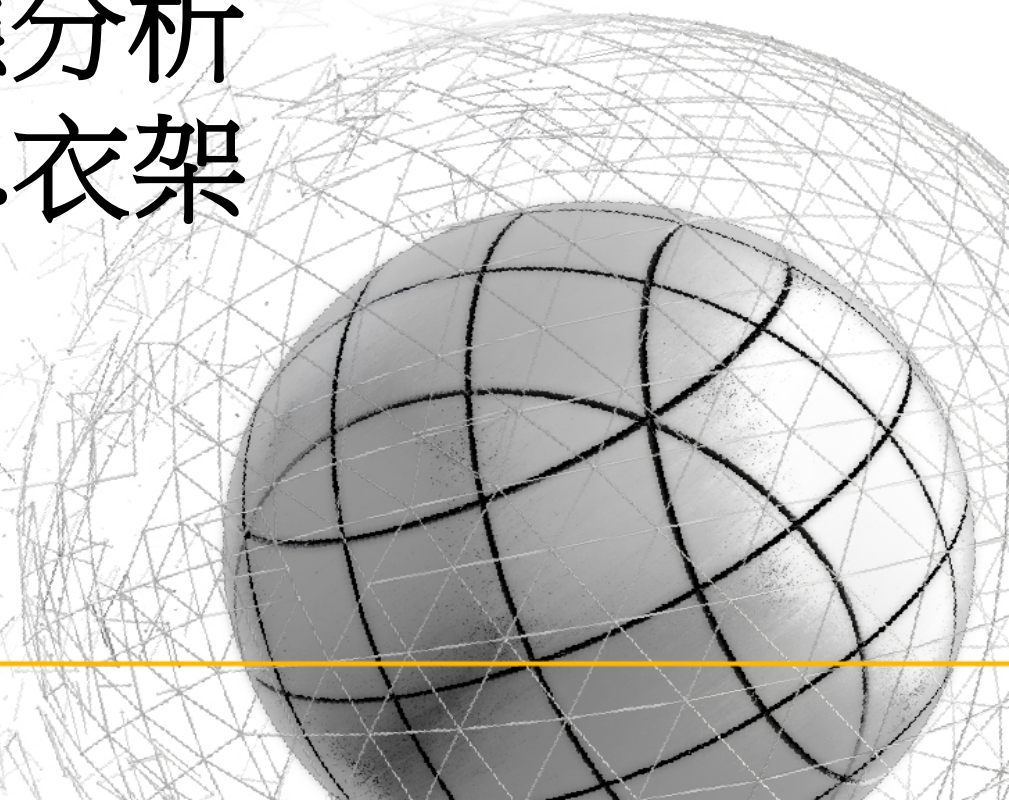


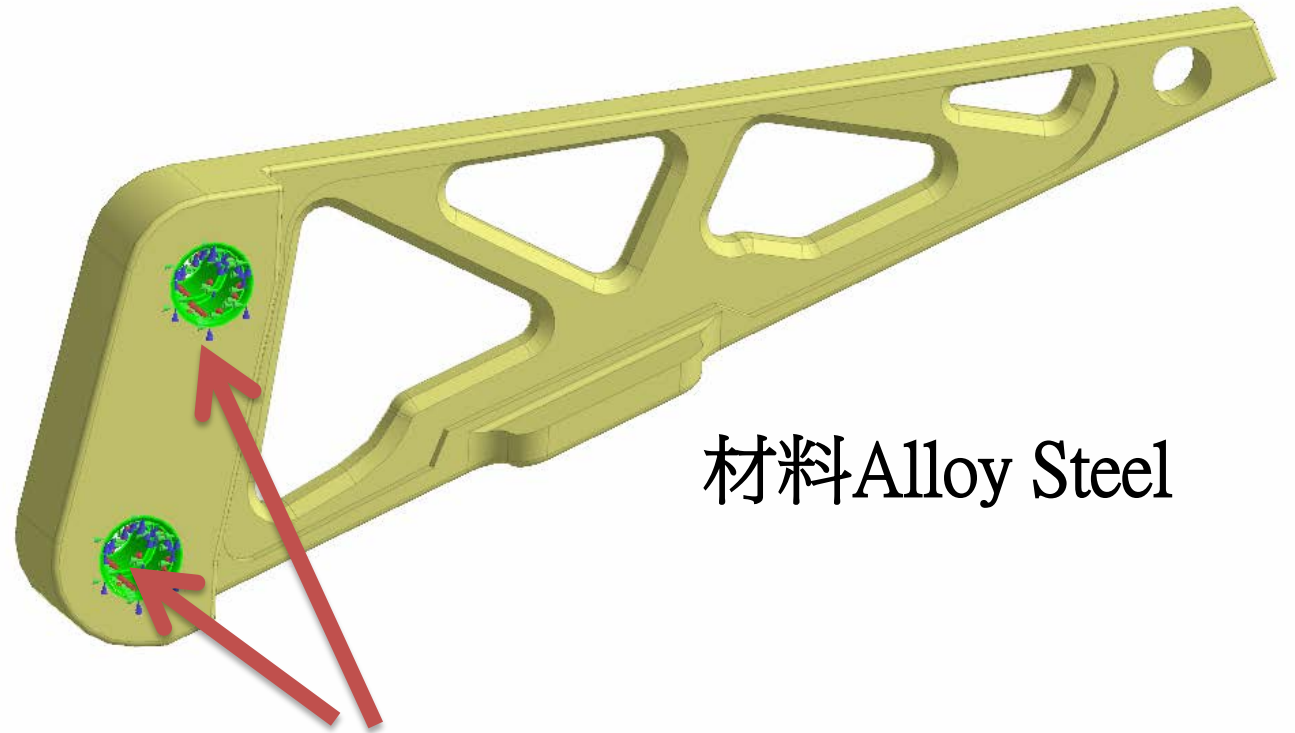
MIDAS

MESH FREE

模態分析
EX1. 衣架

Simple, but Everything.

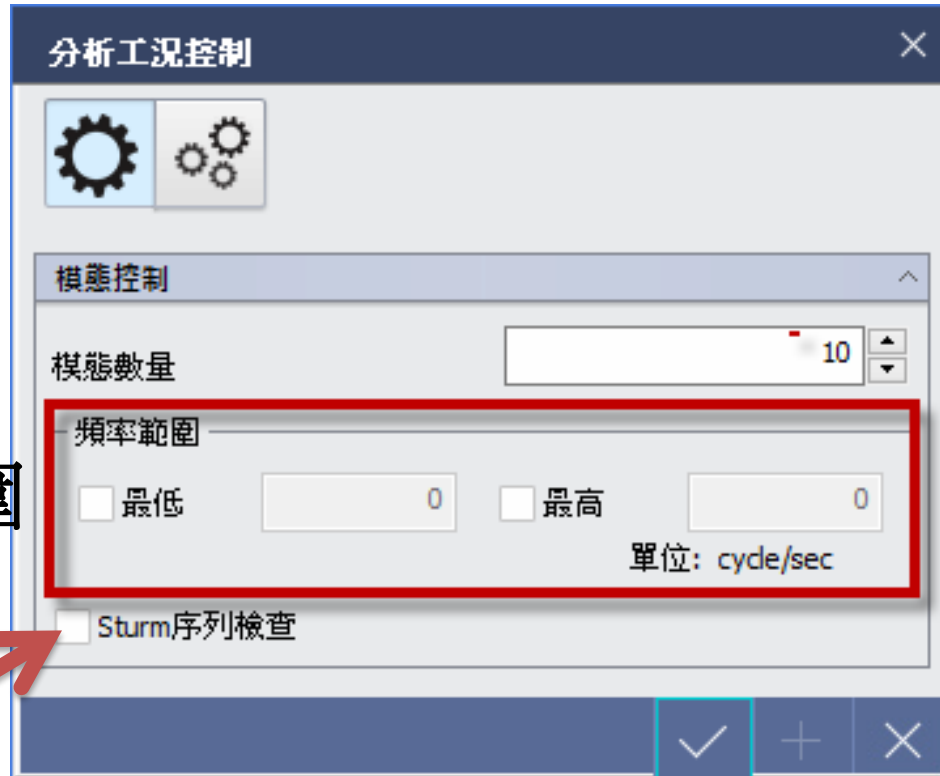




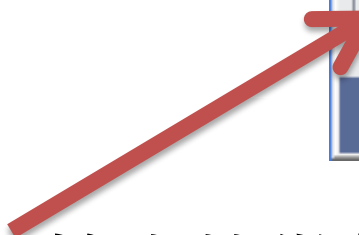
拘束 X, Y, Z



模態數量:預設計算10組模態數量



可自行定義求解頻率範圍



Sturm序列檢查:檢查特徵值是否連續

執行分析



 模態表
 評估 FRF
 查詢
 曲線結果
 結果檔

分析結果

自然頻率(Hz)

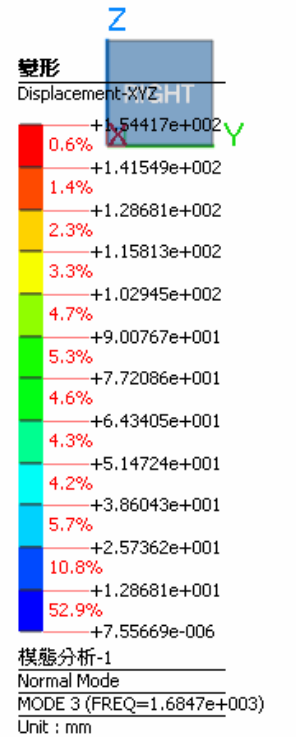
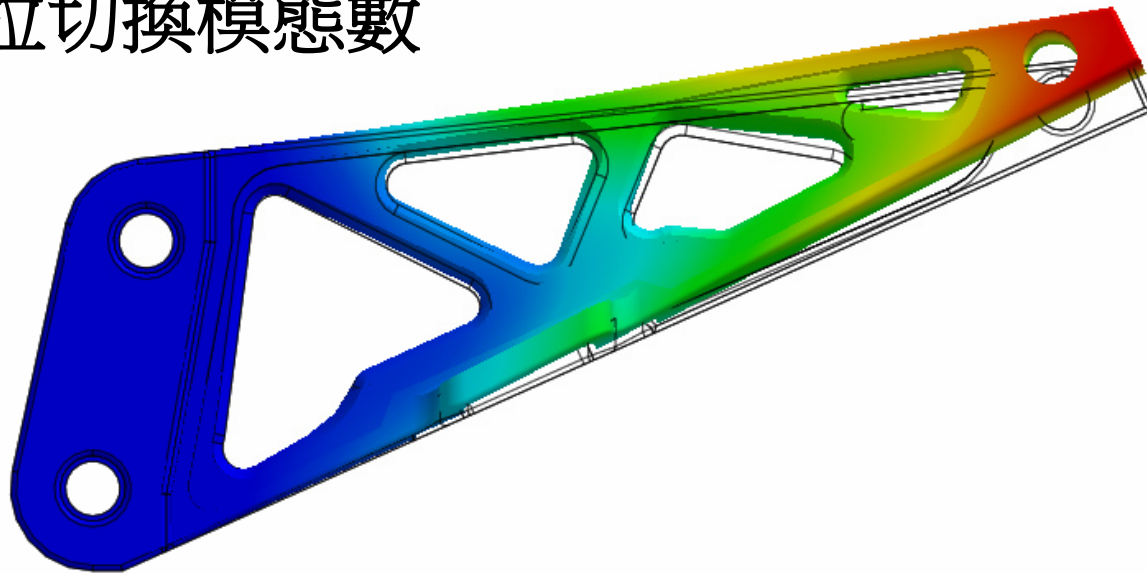
| 查特徵值 | | | | | | | | | |
|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| 模態數目 | 特性值 | 自然角頻率 | 自然頻率 | 週期 | 廣義的質量 | 廣義的剛性 | 正交性損失 | 錯誤度量 | |
| 1 | 2.2912e+006 | 1.5137e+003 | 2.4091e+002 | 4.1510e-003 | 1.0000e+000 | 1.012e+006 | 0.0000e+000 | 3.3073e-008 | |
| 2 | 5.5343e+007 | 7.4393e+003 | 1.1840e+003 | 8.4460e-004 | 1.0000e+000 | 5.5343e+007 | 0.0000e+000 | 1.3687e-009 | |
| 3 | 1.1205e+008 | 1.0585e+004 | 1.6847e+003 | 5.9357e-004 | 1.0000e+000 | 1.1205e+008 | 0.0000e+000 | 5.7956e-010 | |
| 4 | 1.1511e+008 | 1.0729e+004 | 1.7075e+003 | 5.8564e-004 | 1.0000e+000 | 1.1511e+008 | 0.0000e+000 | 6.3352e-010 | |
| 5 | 4.3847e+008 | 2.0940e+004 | 3.3327e+003 | 3.0006e-004 | 1.0000e+000 | 4.3847e+008 | 0.0000e+000 | 1.7484e-010 | |
| 6 | 6.7433e+008 | 2.5968e+004 | 4.1329e+003 | 2.4196e-004 | 1.0000e+000 | 6.7433e+008 | 0.0000e+000 | 3.5330e-010 | |
| 7 | 8.0993e+008 | 2.8459e+004 | 4.5294e+003 | 2.2078e-004 | 1.0000e+000 | 8.0993e+008 | 0.0000e+000 | 8.0017e-010 | |
| 8 | 1.2856e+009 | 3.5855e+004 | 5.7066e+003 | 1.7524e-004 | 1.0000e+000 | 1.2856e+009 | 0.0000e+000 | 1.1816e-008 | |
| 9 | 1.5095e+009 | 3.8853e+004 | 6.1836e+003 | 1.6172e-004 | 1.0000e+000 | 1.5095e+009 | 3.7769e-012 | 6.6564e-009 | |
| 10 | 1.7473e+009 | 4.1801e+004 | 6.6528e+003 | 1.5031e-004 | 1.0000e+000 | 1.7473e+009 | 8.9550e-012 | 1.0352e-008 | |
| 模態有效質量 | | | | | | | | | |
| 模態數目 | T1 | T2 | T3 | R1 | R2 | R3 | | | |
| 1 | 1.3420e-004 | 6.4412e-009 | 4.2639e-009 | 2.6384e-005 | 7.3765e-002 | 1.0125e+000 | | | |
| 2 | 4.1377e-005 | 8.2391e-009 | 5.6097e-007 | 6.7778e-003 | 6.4821e-003 | 4.0898e-004 | | | |
| 3 | 8.2202e-007 | 4.3039e-006 | 9.7776e-005 | 8.2249e-001 | 4.8432e-003 | 2.3960e-004 | | | |
| 4 | 3.9985e-006 | 5.7454e-007 | 2.7585e-005 | 2.7699e-001 | 2.7193e-002 | 9.5556e-005 | | | |
| 5 | 1.7607e-005 | 7.9607e-008 | 7.2347e-007 | 4.0859e-003 | 2.9460e-003 | 2.3319e-003 | | | |
| 6 | 6.8633e-007 | 6.1297e-006 | 4.8822e-005 | 1.4430e-004 | 9.3878e-004 | 5.8008e-007 | | | |
| 7 | 6.3065e-007 | 8.3213e-007 | 2.1325e-005 | 7.8978e-008 | 9.4858e-003 | 4.6507e-006 | | | |
| 8 | 6.0461e-006 | 8.1923e-006 | 1.0891e-006 | 1.8728e-004 | 1.5978e-003 | 9.9040e-004 | | | |
| 9 | 4.6874e-008 | 1.1968e-004 | 2.8814e-006 | 2.5747e-004 | 4.4617e-006 | 9.6184e-004 | | | |
| 10 | 2.7640e-010 | 3.7100e-005 | 6.6110e-006 | 6.1449e-003 | 4.0840e-006 | 3.1337e-004 | | | |
| 全部 | 2.0542e-004 | 1.7691e-004 | 2.0738e-004 | 1.1171e+000 | 1.2726e-001 | 1.0179e+000 | | | |

週期(sec)

模態質量參與係數:使用模態法進行線性動態分析,參與係數必須達到90%以上。

分析類型 模態分析-1
 Step MODE 3 (FREQ=1.6847e+003)
 結果 位移-XYZ

下拉切換模態數



級別 3 (標準)

模態動畫播放-不可以選取多步播放