

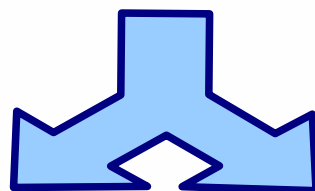
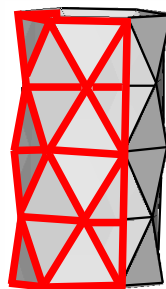
# ダイヤカット半円筒折り紙構造の挙動

7507636 田部井 香月

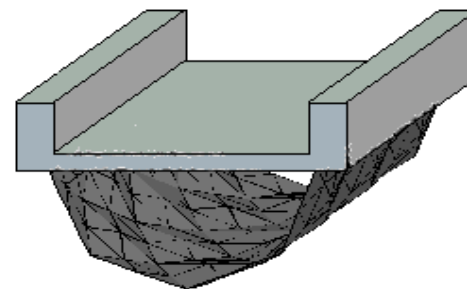
## 折り紙構造

薄くて丈夫

## ダイヤカット円筒

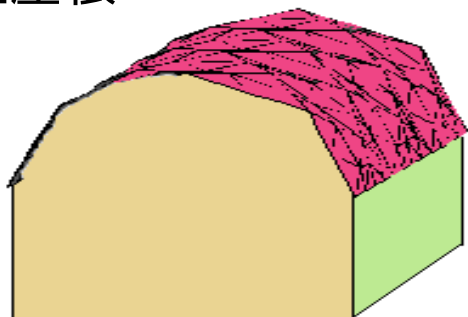


新しいタイプの箱桁



提供:JAXA

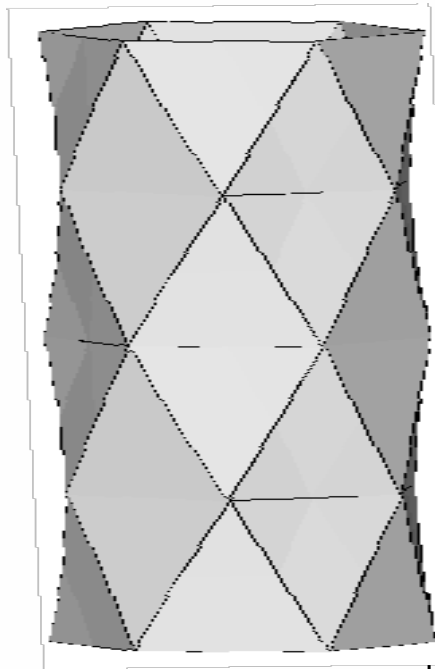
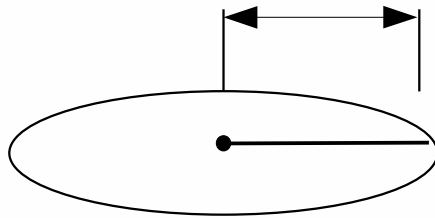
アーチ型屋根



1.はじめに 2,解析モデル 3,解析手法 4,曲げ剛性 5,座屈荷重 6,まとめ

# 解析モデル

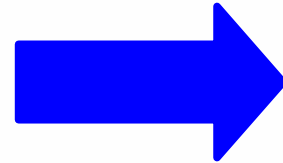
外接円の半径  
=3cm



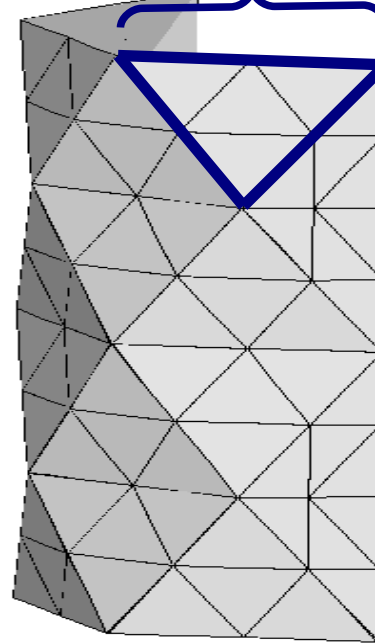
高さ  
=20cm

ヤング率  
=70GPa

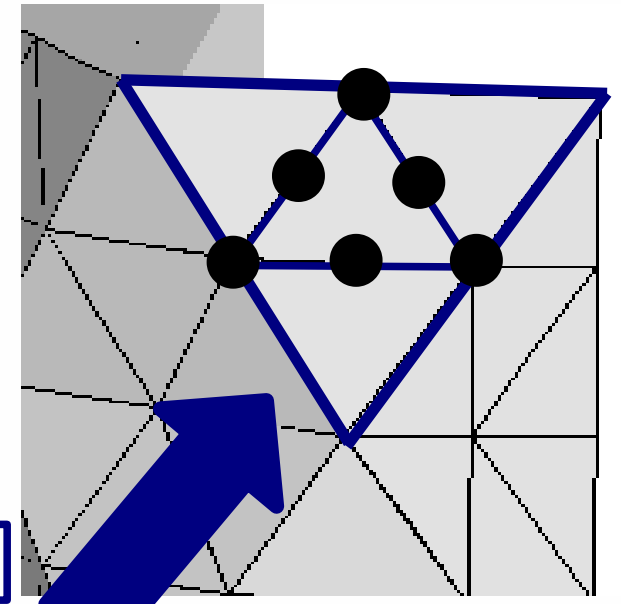
厚さ  
=0.11mm



周方向1パターン



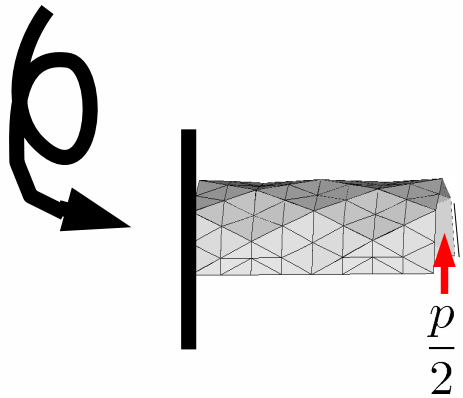
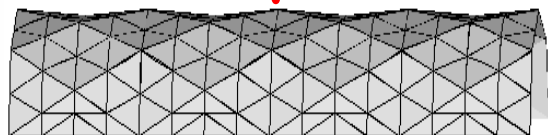
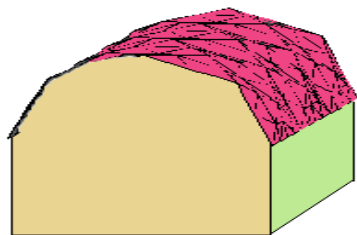
軸方向1パターン



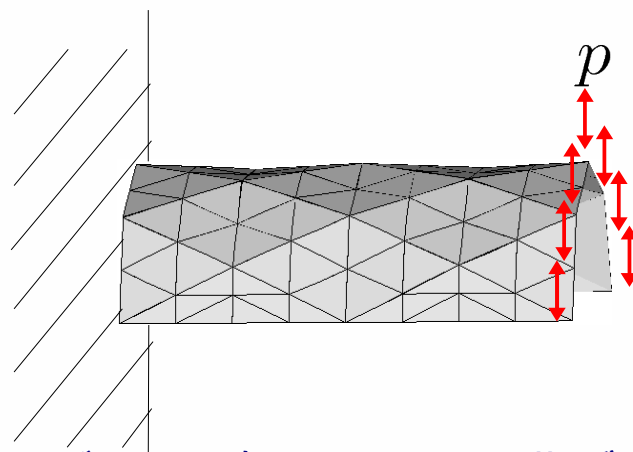
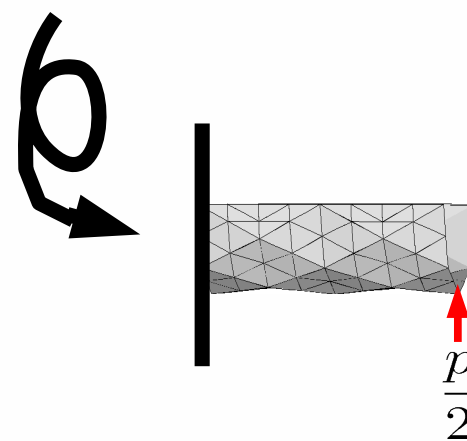
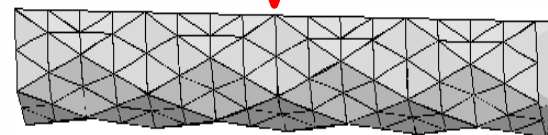
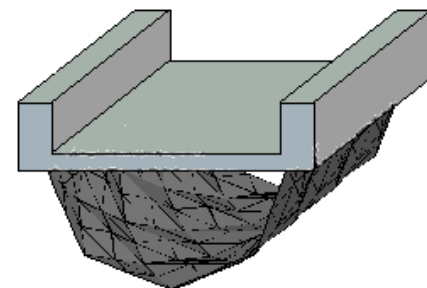
1.はじめに 2,解析モデル 3,解析手法 4,曲げ剛性 5,座屈荷重 6,まとめ

# 解析手法

<アーチ型屋根>  $P$

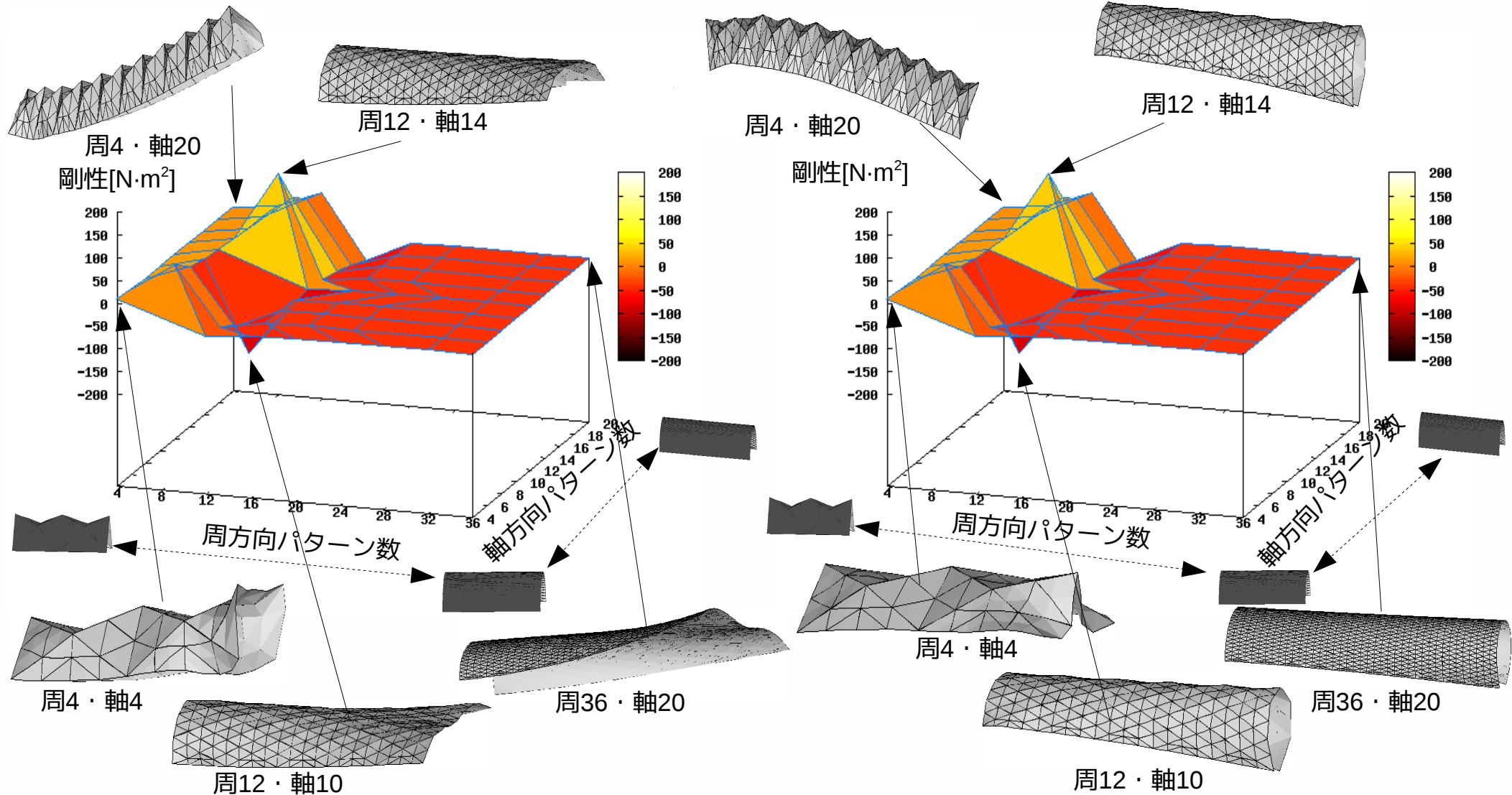
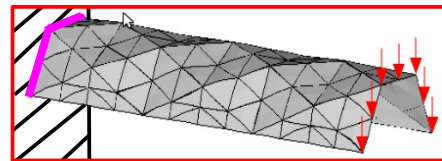
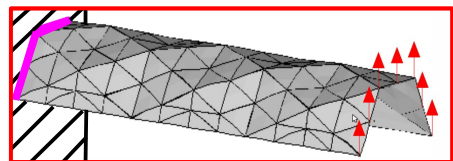


<箱桁>



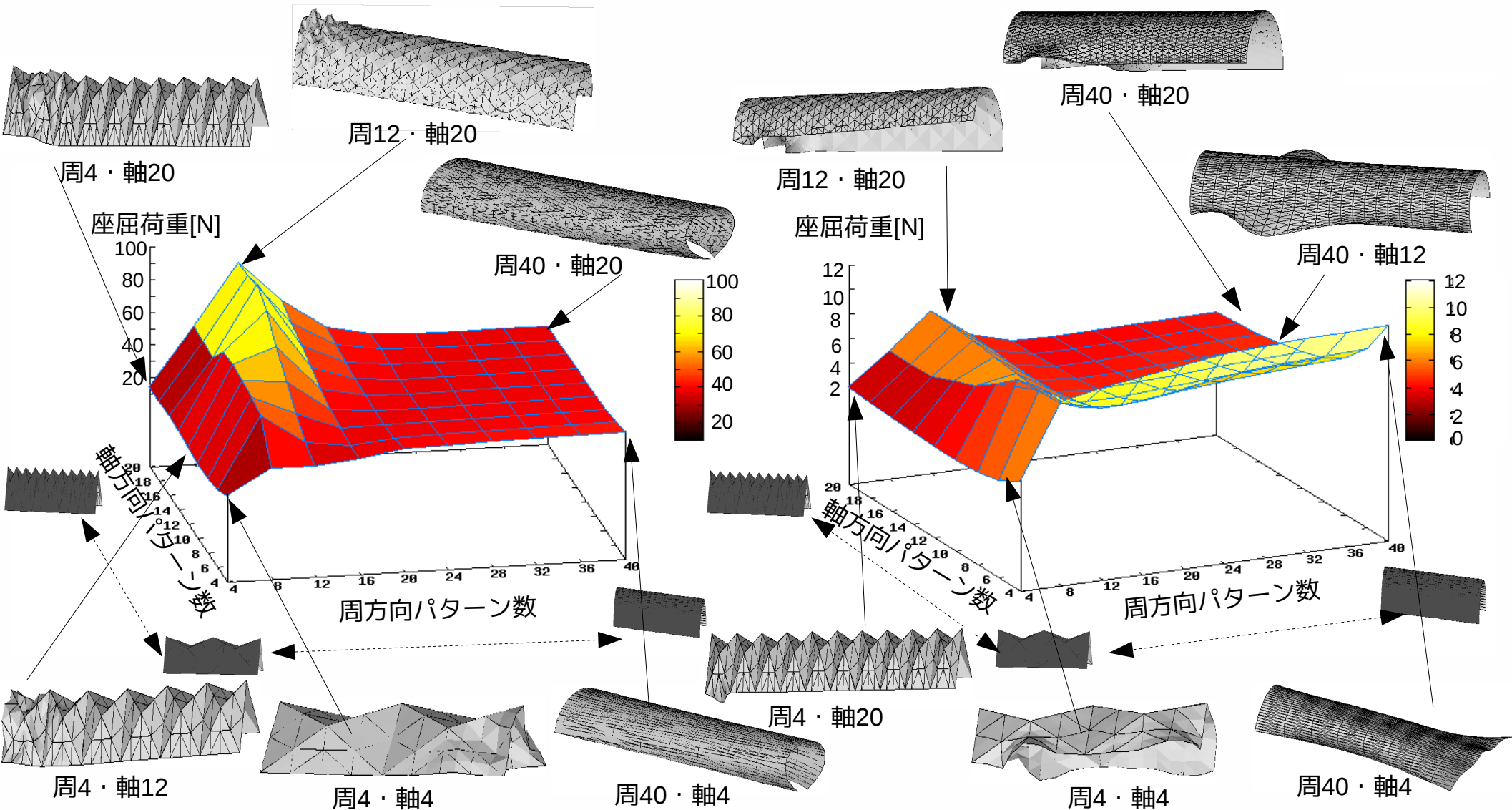
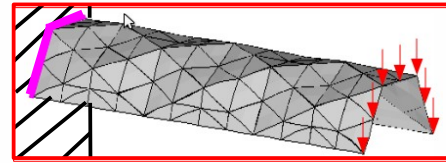
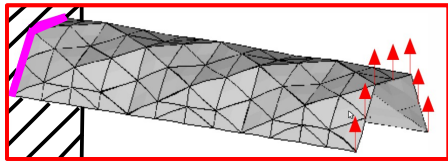
1.はじめに 2,解析モデル 3,解析手法 4,曲げ剛性 5,座屈荷重 6,まとめ

# 曲げ剛性



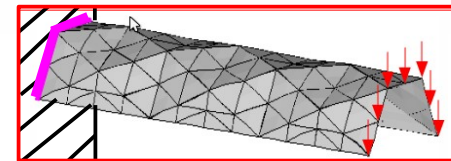
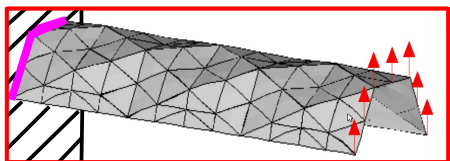
1.はじめに 2,解析モデル 3,解析手法 4,曲げ剛性 5,座屈荷重 6,まとめ

# 座屈荷重

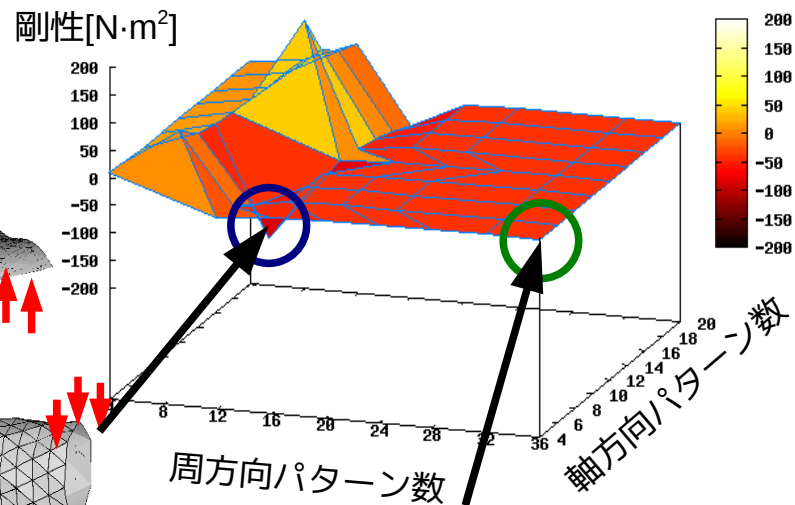
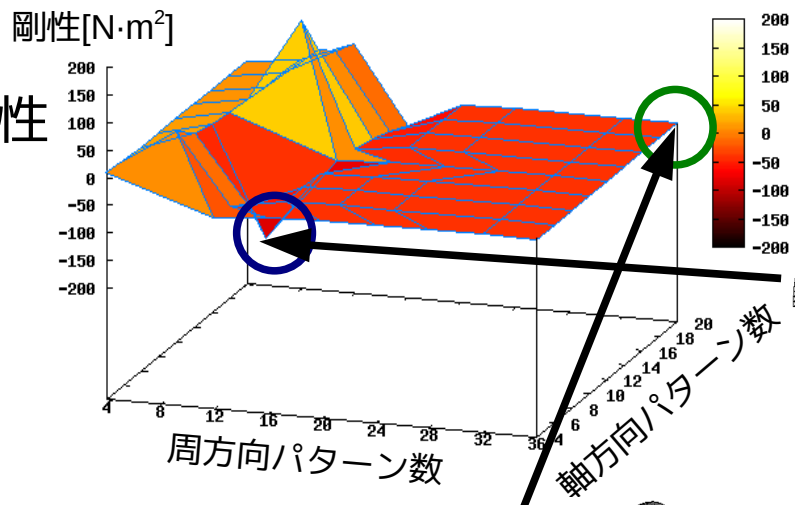


1.はじめに 2,解析モデル 3,解析手法 4,曲げ剛性 5,座屈荷重 6,まとめ

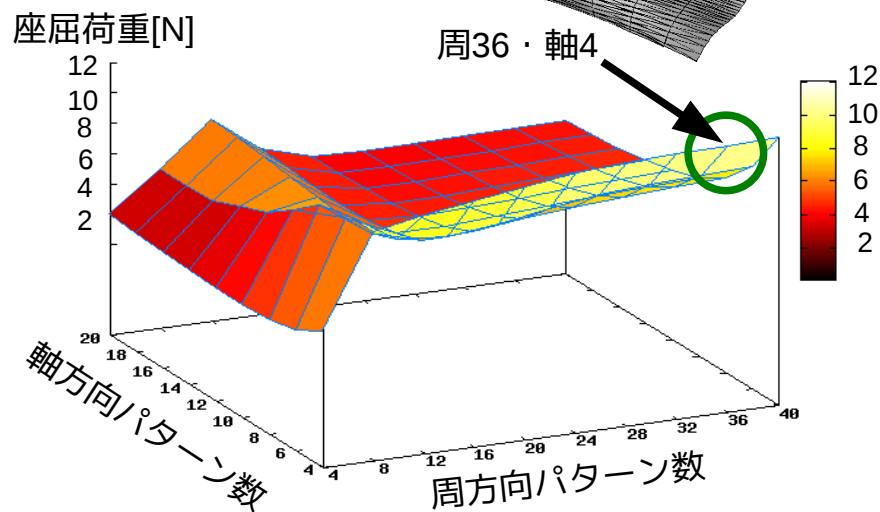
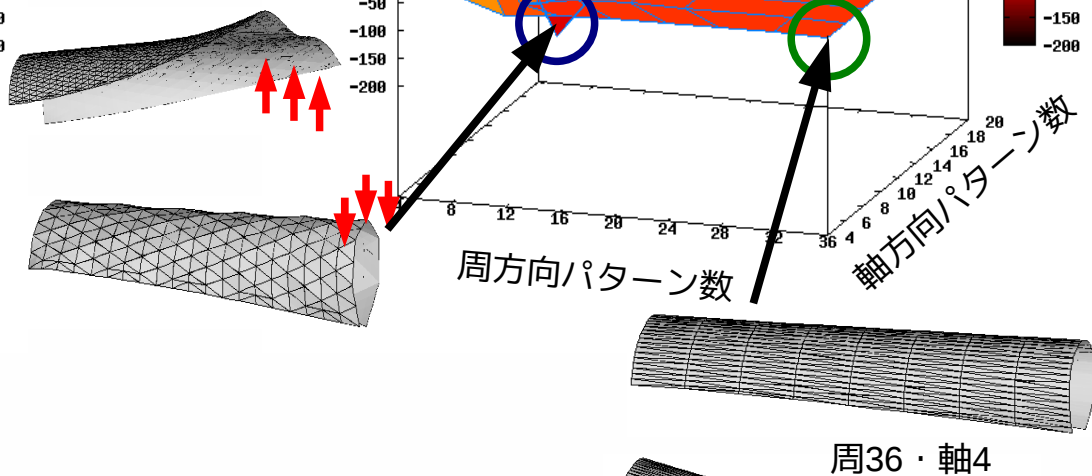
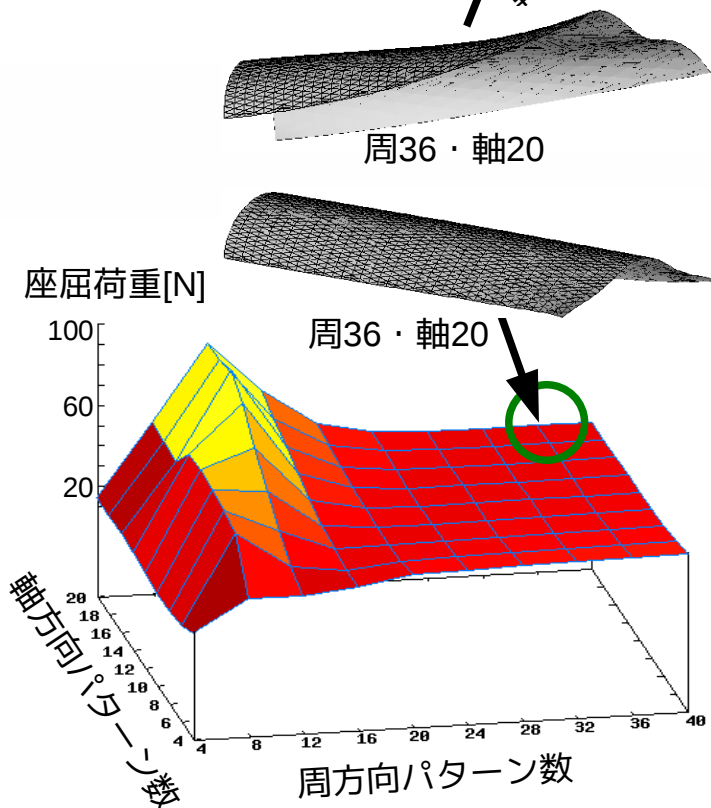
# まとめ



曲げ剛性



座屈荷重



- 1.はじめに 2,解析モデル 3,解析手法 4,曲げ剛性 5,座屈荷重 6,まとめ