

# Overset basics; constraints are fully implicit

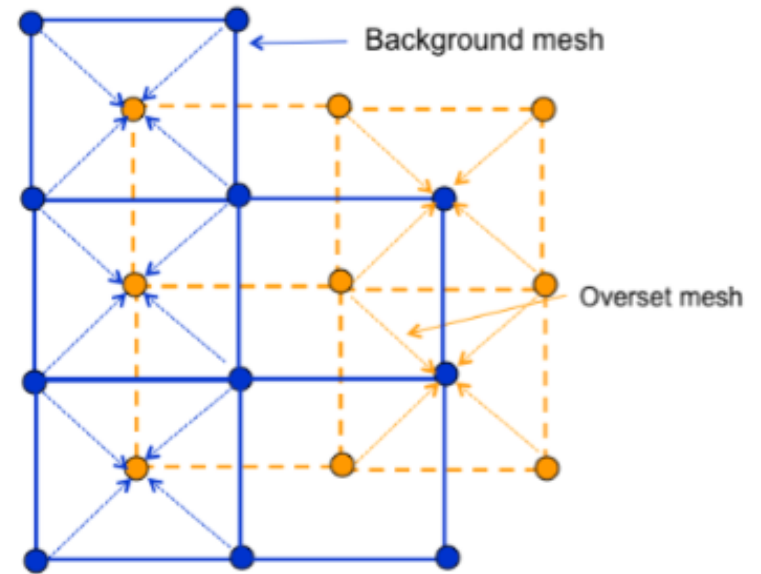
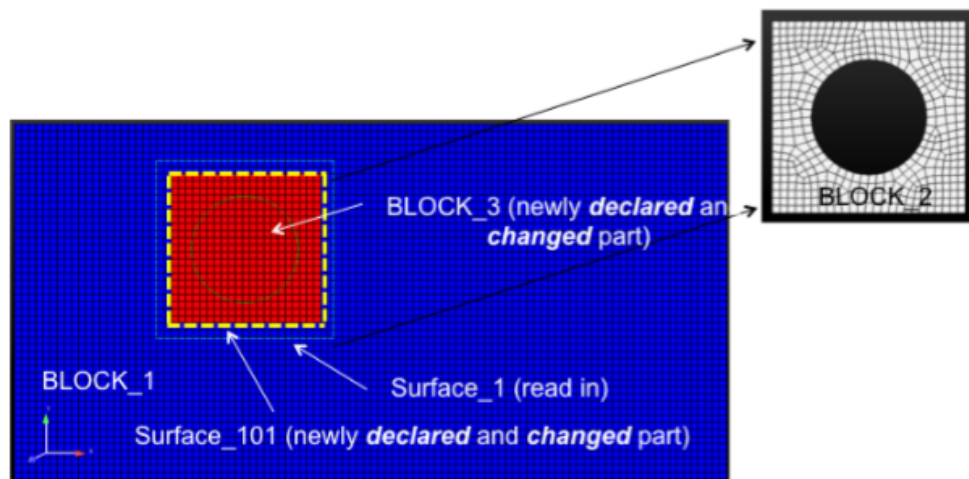
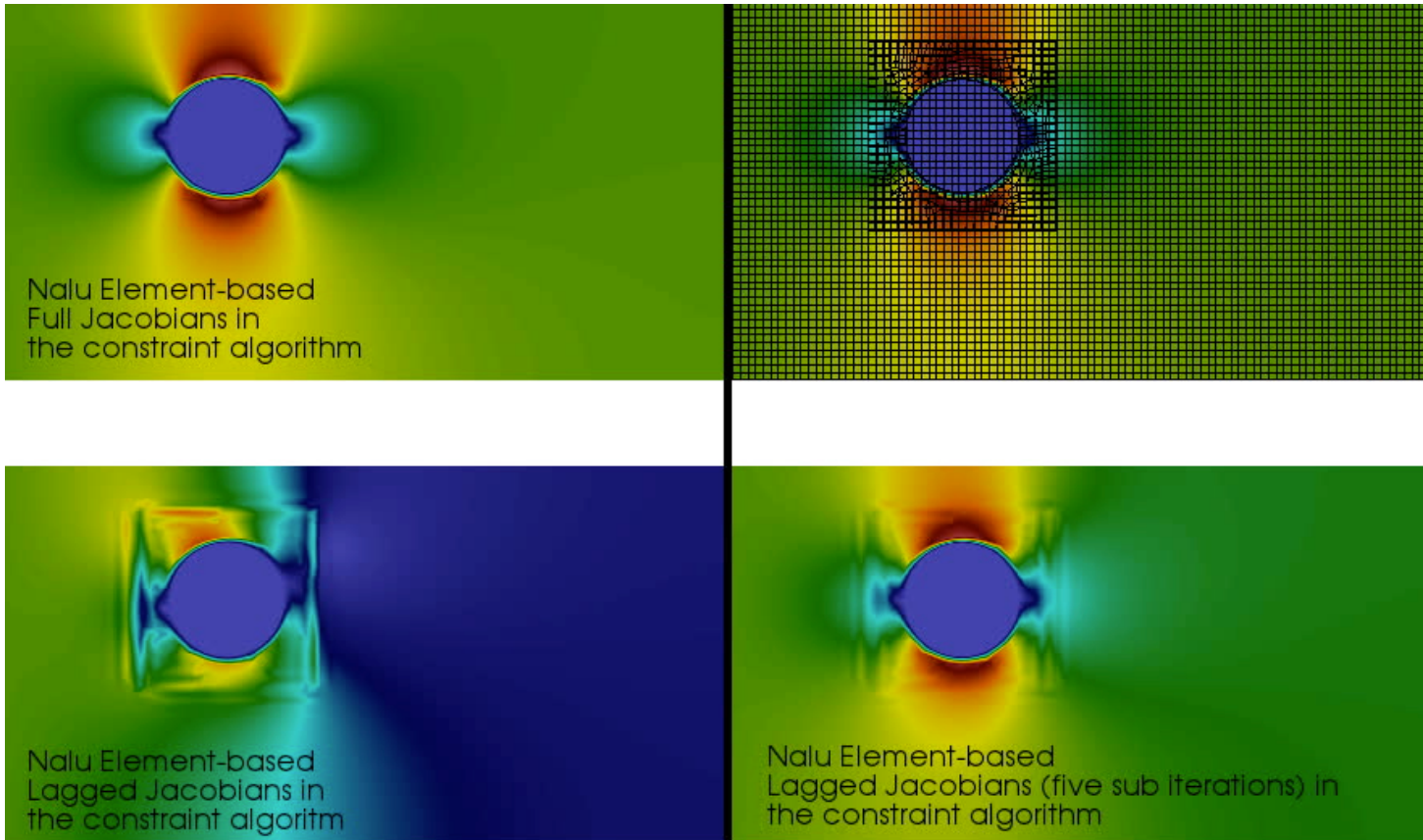
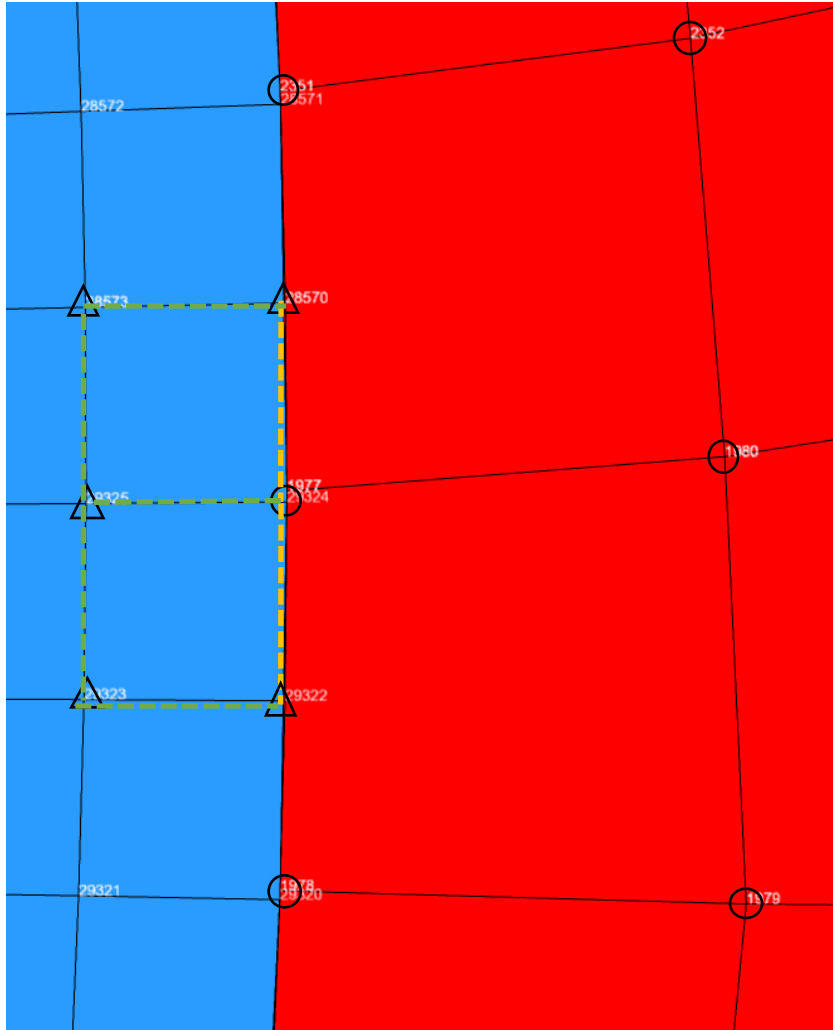


Figure 7: Three-block and two surface, post over set initialization.

$$\phi^o - \sum N_k \phi_k = 0. \quad (200)$$

# Overset Jacobian experiment





- Stencil nodes that are fixed
- △ Stencil nodes that are changing
- Stencil due to penalty
- Stencil due to gradients

Red block is fixed in space  
Blue block is rotating

# Sliding Jacobian experiment

