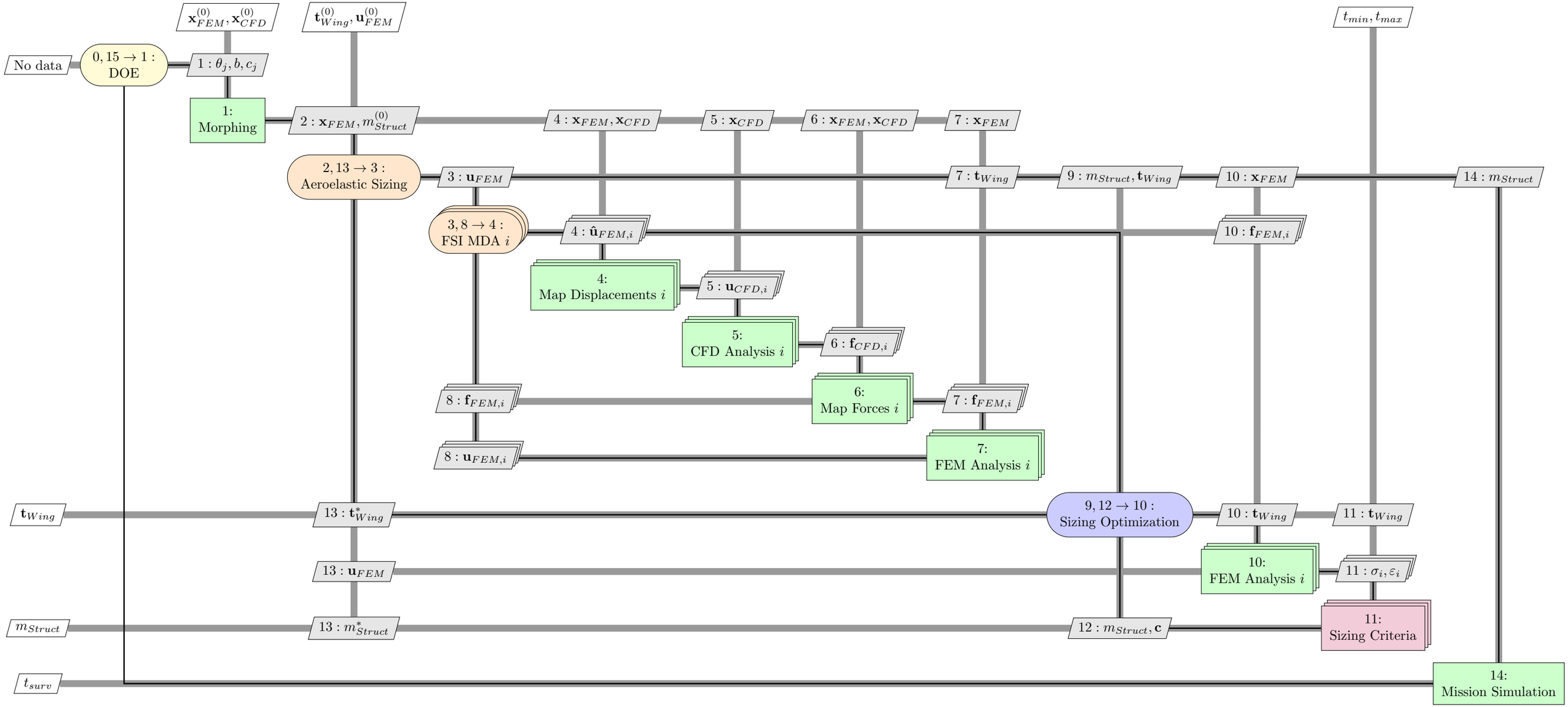
No data
$0, 15 \rightarrow 1$: DOE
$\mathbf{x}_{FEM}^{(0)}, \mathbf{x}_{CFD}^{(0)}$
$1 : \theta_j, b, c_j$
1: Morphing
$\mathbf{t}_{Wing}^{(0)}, \mathbf{u}_{FEM}^{(0)}$
$2 : \mathbf{x}_{FEM}, m_{Struct}^{(0)}$
$2, 13 \rightarrow 3$: Aeroelastic Sizing
$3 : \mathbf{u}_{FEM}$
$3, 8 \rightarrow 4$: FSI MDA i
$4 : \mathbf{x}_{FEM}, \mathbf{x}_{CFD}$
$4 : \hat{\mathbf{u}}_{FEM,i}$
4: Map Displacements i
$5 : \mathbf{x}_{CFD}$
$5 : \mathbf{u}_{CFD,i}$
5: CFD Analysis i
$6 : \mathbf{x}_{FEM}, \mathbf{x}_{CFD}$
$6 : \mathbf{f}_{CFD,i}$
6: Map Forces i
$7 : \mathbf{x}_{FEM}$
$7 : \mathbf{t}_{Wing}$
$7 : \mathbf{f}_{FEM,i}$
7: FEM Analysis i
$8 : \mathbf{f}_{FEM,i}$
$8 : \mathbf{u}_{FEM,i}$
$9 : m_{Struct}, \mathbf{t}_{Wing}$
$9, 12 \rightarrow 10$: Sizing Optimization
$10 : \mathbf{x}_{FEM}$
$10 : \mathbf{f}_{FEM,i}$
$10 : \mathbf{t}_{Wing}$
10: FEM Analysis i
t_{min}, t_{max}
$11 : \mathbf{t}_{Wing}$
$11 : \sigma_i, \varepsilon_i$
11: Sizing Criteria
$14 : m_{Struct}$
14: Mission Simulation
$\mathbf{t}_{Wing}$
$13 : \mathbf{t}_{Wing}^*$
$13 : \mathbf{u}_{FEM}$
m_{Struct}
$13 : m_{Struct}^*$
$12 : m_{Struct}, \mathbf{c}$
t_{surv}