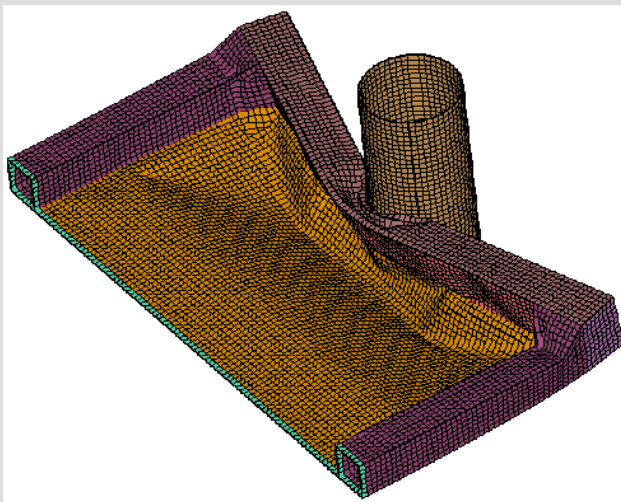




VisualDOC/LS-DYNA

Optimization with Crash Analysis

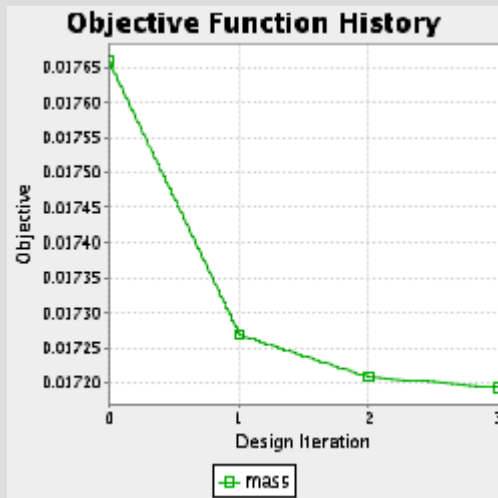
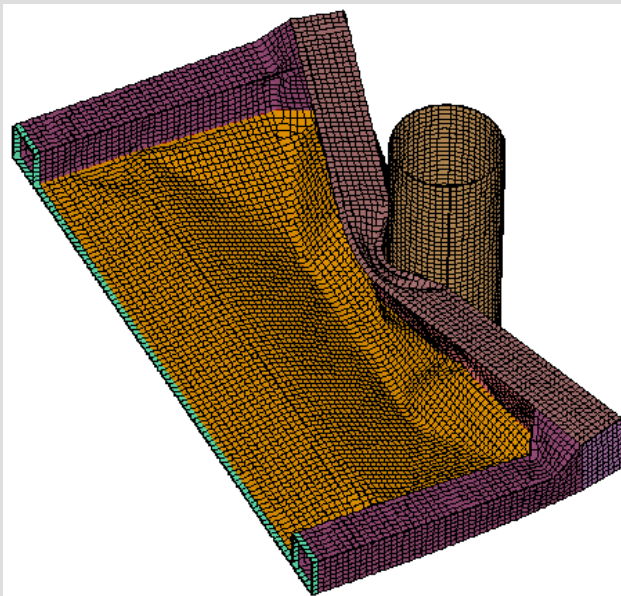
Objective: Minimize the mass of the structure
Constraints: Deformation less than 130 mm
Design variables: Thickness of the cross-members, floor, and the sills.



Baseline Design

Mass: 17.66 kg

Deflection: 129.6 mm



Optimal Design

Mass: 17.19 kg

Deflection: 129.86 mm

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