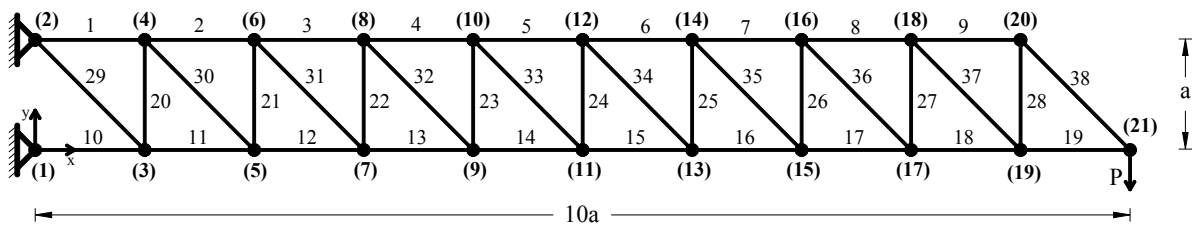


ISCSO 2012

The optimum design reported by the winner of ISCSO 2012, *MunichOpt* team:



Sizing Variables	Sections (in. ²)	Sizing Variables	Sections (in. ²)
A ₁	14.6	A ₂₀	1.6
A ₂	12.9	A ₂₁	1.6
A ₃	11.3	A ₂₂	1.6
A ₄	9.7	A ₂₃	1.6
A ₅	8.2	A ₂₄	1.6
A ₆	6.5	A ₂₅	1.6
A ₇	4.9	A ₂₆	1.6
A ₈	3.3	A ₂₇	1.6
A ₉	1.7	A ₂₈	1.6
A ₁₀	15	A ₂₉	2.3
A ₁₁	14.6	A ₃₀	2.3
A ₁₂	12.9	A ₃₁	2.3
A ₁₃	11.3	A ₃₂	2.3
A ₁₄	9.7	A ₃₃	2.3
A ₁₅	8.2	A ₃₄	2.3
A ₁₆	6.5	A ₃₅	2.3
A ₁₇	4.9	A ₃₆	2.3
A ₁₈	3.3	A ₃₇	2.3
A ₁₉	1.7	A ₃₈	2.3
Mass (lb): 5889.99		Average number of structural analyses: 4618	

MunichOpt team members: Simon Rudolph and Jakob Schmidt



Jakob Christian Schmidt, born in Erding (near Munich), and Simon Rudolph, born in Munich, enrolled in the Bachelor of Science at Technical University of Munich in 2008. Jakob is interested in Energy and Process Engineering and Simon focuses on Lightweight Design and Structural Optimization.