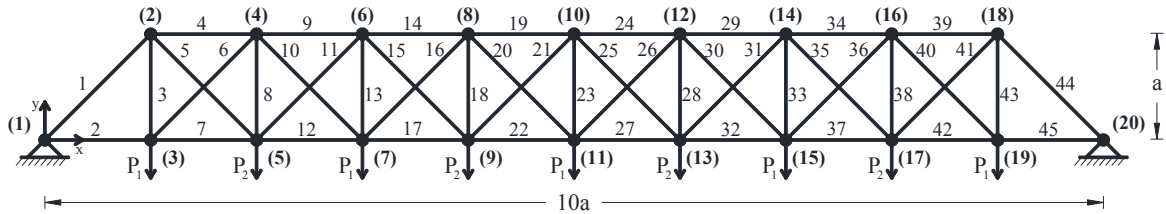


ISCSO 2011

The optimum design reported by the winner of ISCSO 2011, *Saartje Arnout*



Sizing variables	Members	Sections (in. ²)
G ₁	1, 44	9.1
G ₂	2, 45	6.8
G ₃	3, 43	4.6
G ₄	4, 39	8.2
G ₅	5, 41	2.5
G ₆	6, 40	5.2
G ₇	7, 42	3.1
G ₈	8, 38	0.1
G ₉	9, 34	15
G ₁₀	10, 36	5.1
G ₁₁	11, 35	1.7
G ₁₂	12, 37	0.1
G ₁₃	13, 33	0.1
G ₁₄	14, 29	15
G ₁₅	15, 31	1.8
G ₁₆	16, 30	3.2
G ₁₇	17, 32	6
G ₁₈	18, 28	0.1
G ₁₉	19, 24	15
G ₂₀	20, 26	2.9
G ₂₁	21, 25	0.1
G ₂₂	22, 27	7.6
G ₂₃	23	0.6
Mass (lb)	14341.21	