

Table 1: Relative and absolute compliance for each of our 116 designs, for both the “typical sample” and the “best of ensemble.”

Typical sample				Best of ensemble			
CNN-LBFGS	MMA	OC	Pixel-LBFGS	CNN-LBFGS	MMA	OC	Pixel-LBFGS
anchored_suspended_bridge_128x128_0.1							
0.018 / 28.8	0.0 / 28.3	0.053 / 29.8	0.188 / 33.6	0.0 / 27.5	0.003 / 27.5	0.041 / 28.6	0.09 / 29.9
anchored_suspended_bridge_256x256_0.05							
0.0 / 61.3	0.032 / 63.2	0.144 / 70.1	0.631 / 99.9	0.0 / 57.9	0.013 / 58.6	0.131 / 65.5	0.262 / 73.0
anchored_suspended_bridge_256x256_0.075							
0.028 / 34.3	0.0 / 33.3	0.131 / 37.7	0.457 / 48.6	0.006 / 32.5	0.0 / 32.3	0.09 / 35.3	0.291 / 41.8
anchored_suspended_bridge_64x64_0.15							
0.0 / 21.6	0.01 / 21.9	0.085 / 23.5	0.051 / 22.7	0.0 / 21.0	0.004 / 21.1	0.013 / 21.3	0.018 / 21.4
cantilever_beam_full_192x64_0.3							
0.0 / 311.8	0.002 / 312.4	0.01 / 314.9	0.259 / 392.7	0.0 / 305.2	0.004 / 306.5	0.03 / 314.5	0.064 / 324.9
cantilever_beam_full_384x128_0.15							
0.065 / 639.3	0.0 / 600.4	0.055 / 633.4	0.978 / 1187.7	0.0 / 586.7	0.023 / 600.2	0.08 / 633.4	0.373 / 805.5
cantilever_beam_full_384x128_0.2							
0.017 / 445.5	0.0 / 437.9	0.035 / 453.1	0.701 / 744.7	0.0 / 426.7	0.022 / 435.9	0.062 / 453.1	0.23 / 524.7
cantilever_beam_full_96x32_0.4							
0.0 / 250.8	0.019 / 255.5	0.023 / 256.7	0.126 / 282.4	0.0 / 247.3	0.005 / 248.6	0.013 / 250.5	0.031 / 255.0
cantilever_beam_two_point_128x96_0.3							
0.0 / 111.0	0.002 / 111.2	0.044 / 115.9	0.124 / 124.9	0.0 / 109.1	0.002 / 109.3	0.026 / 111.9	0.04 / 113.4





























