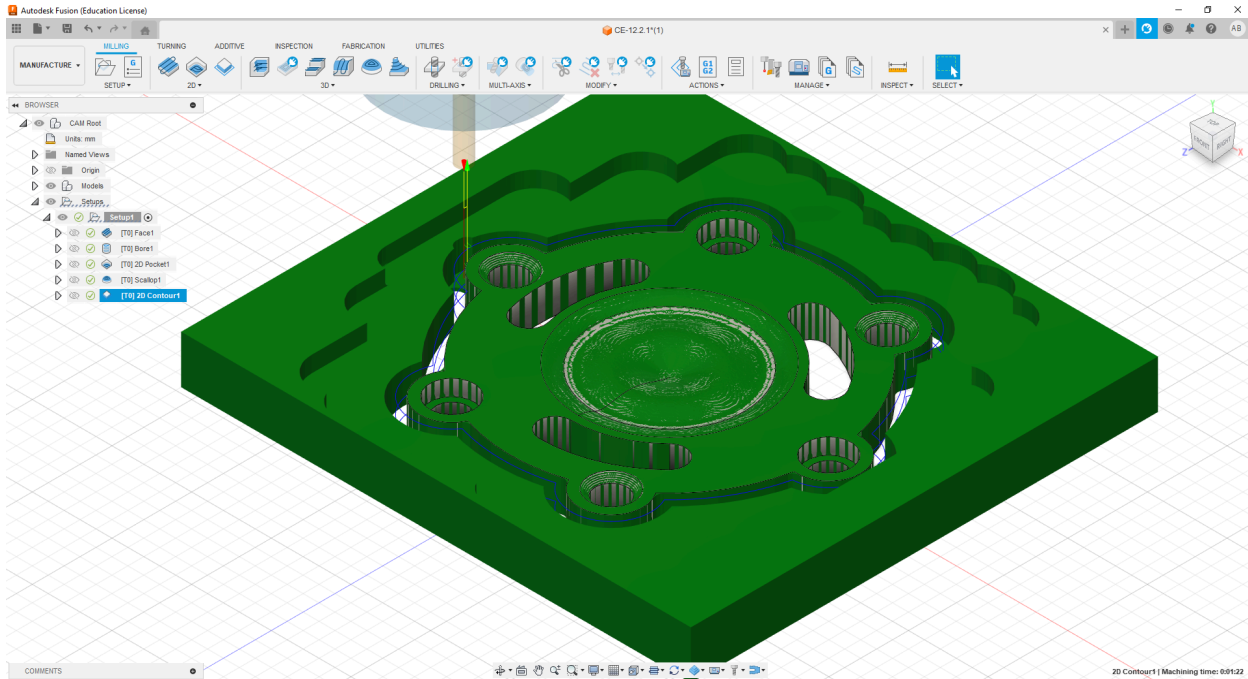
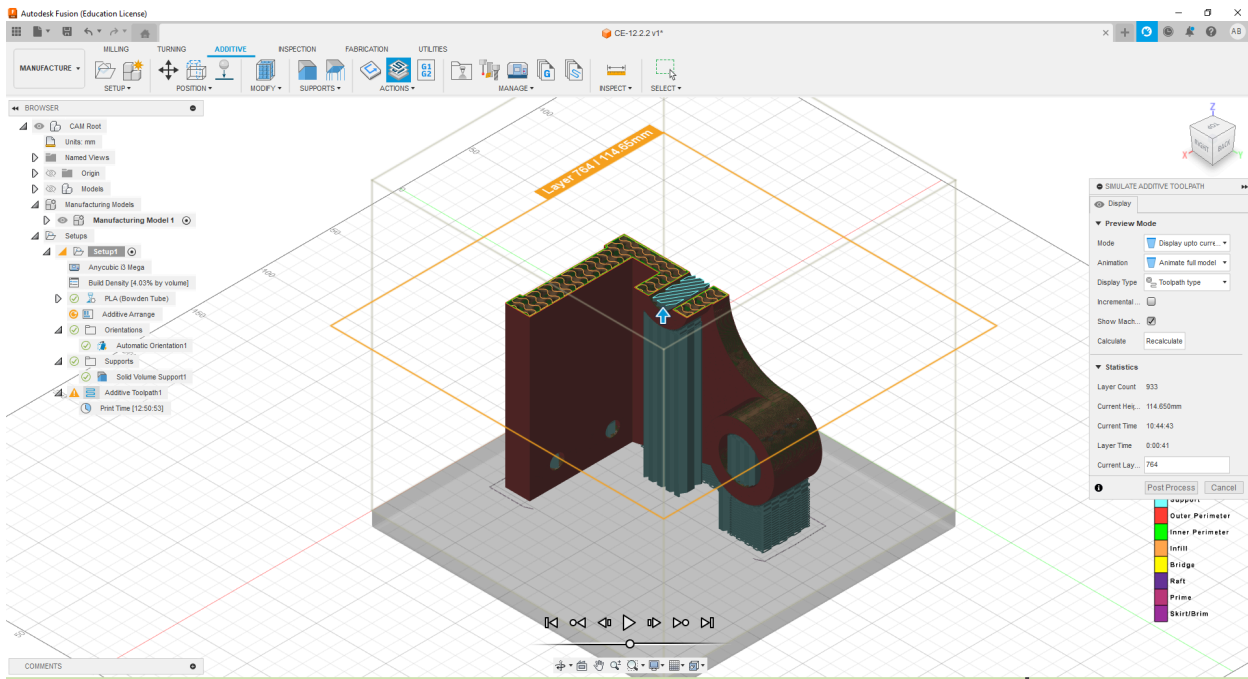


MECHENG 4Z03 CAD/CAM/CAE
Class exercise 12.2 & 13.1
Author: Alex Bartella, 400308868
Submitted 28-March-24

CE-12.2.1

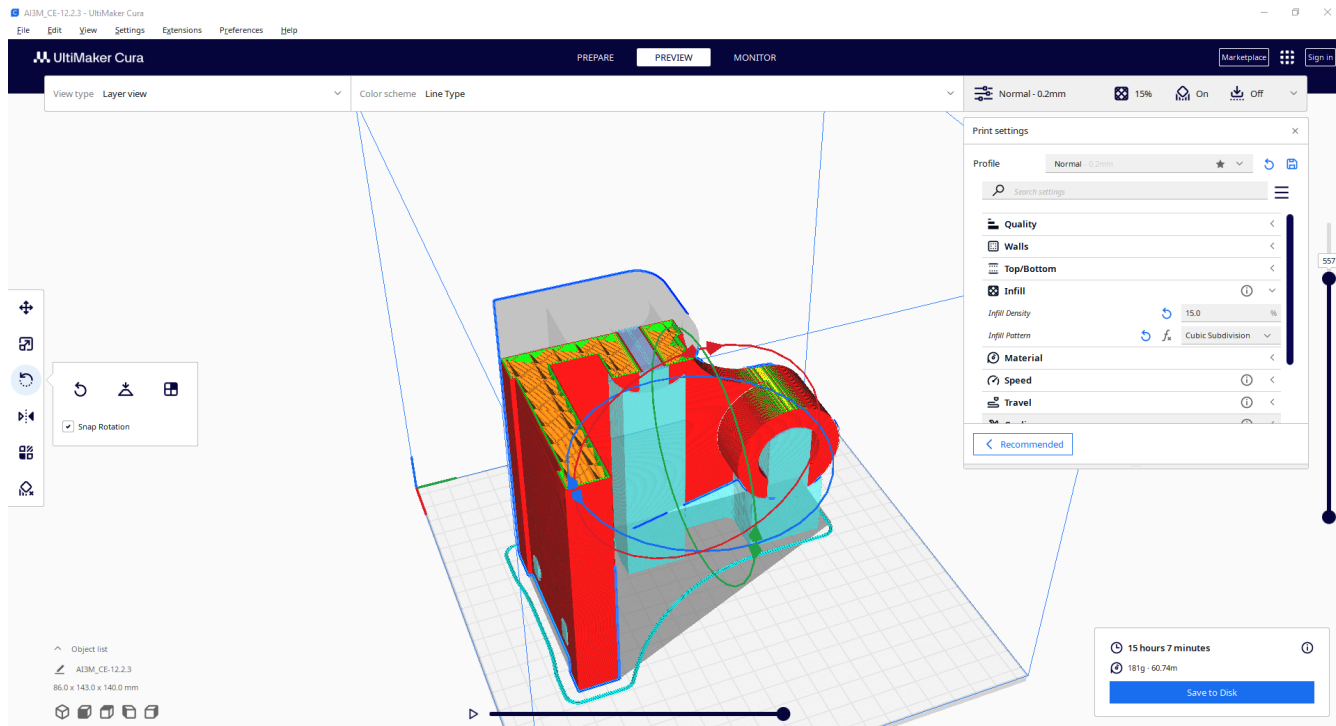


CE-12.2.2



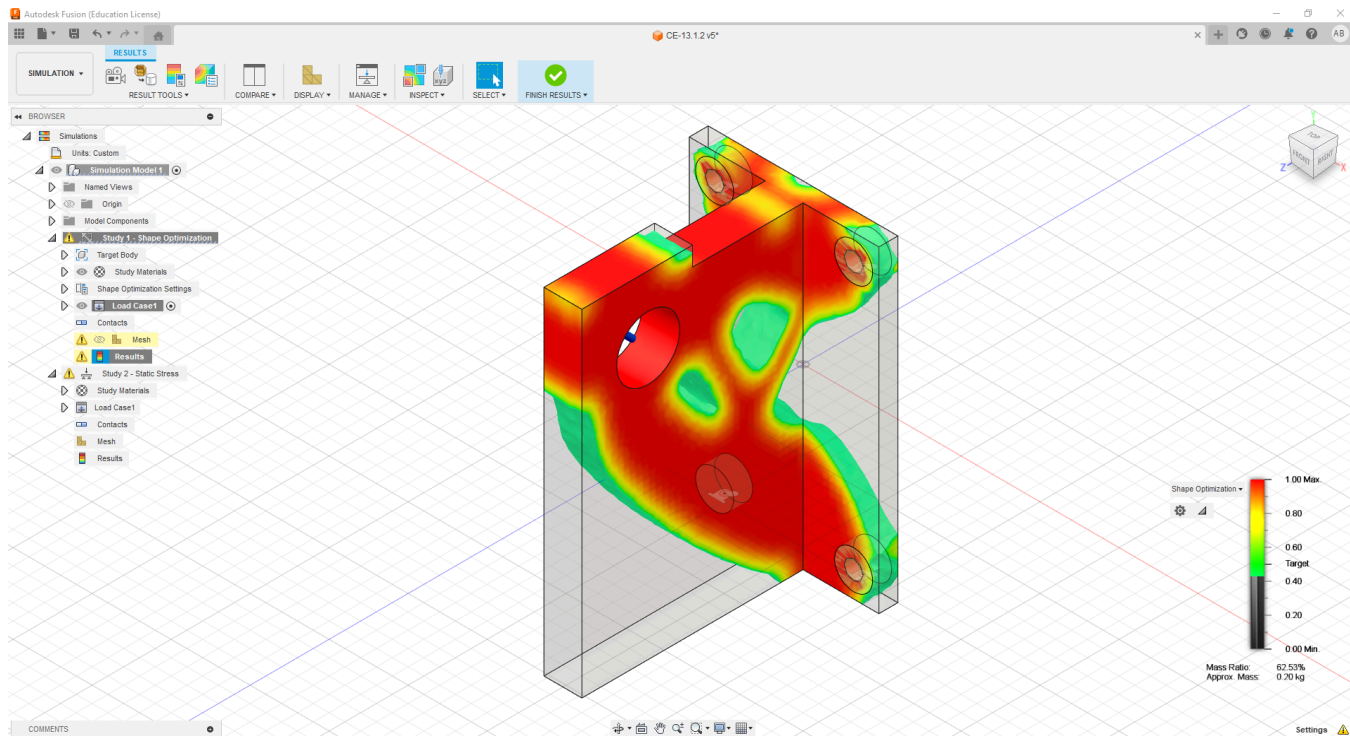
print time = 12h 50m 53s

CE-12.2.3



print time = 15h 7m

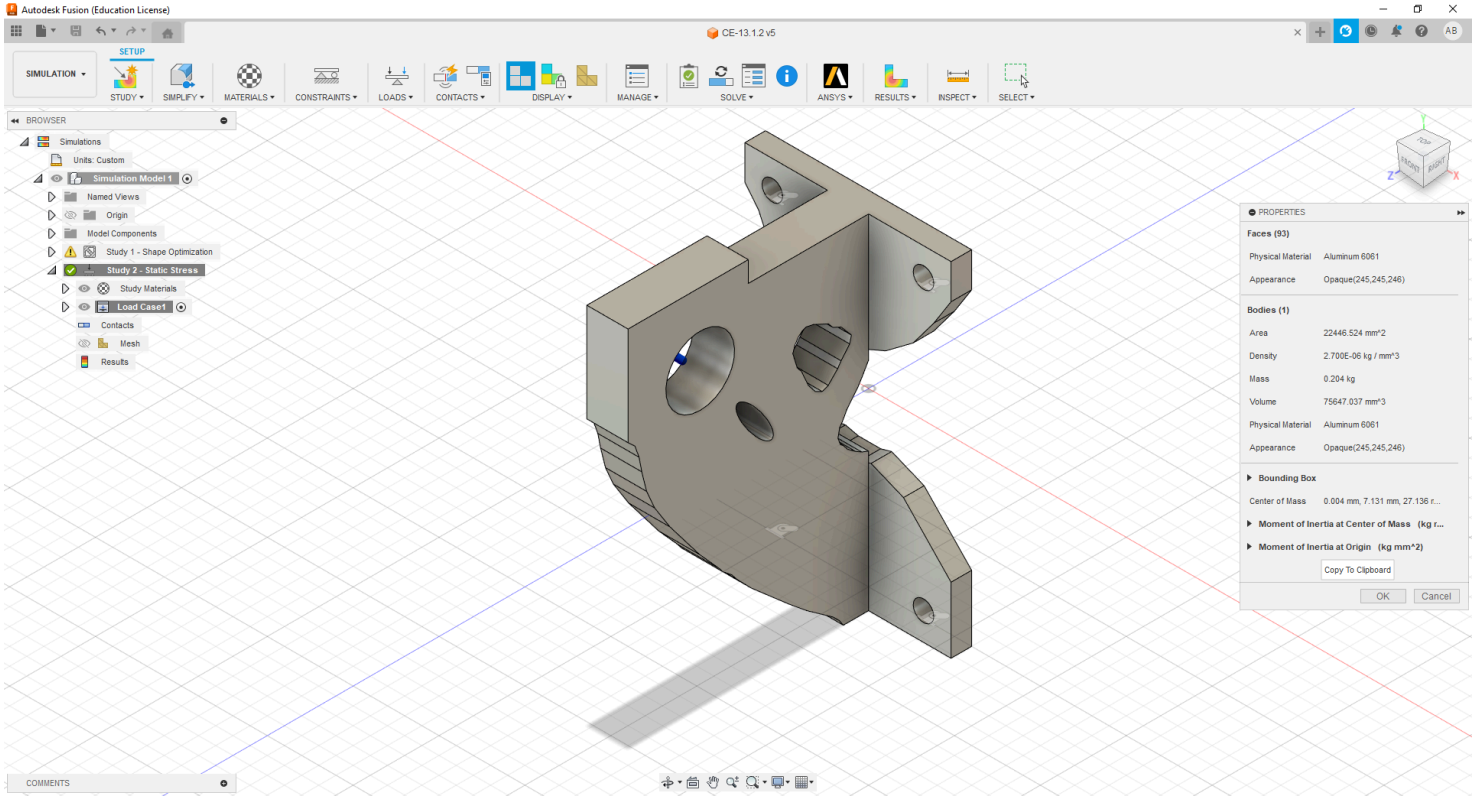
CE-13.1.1



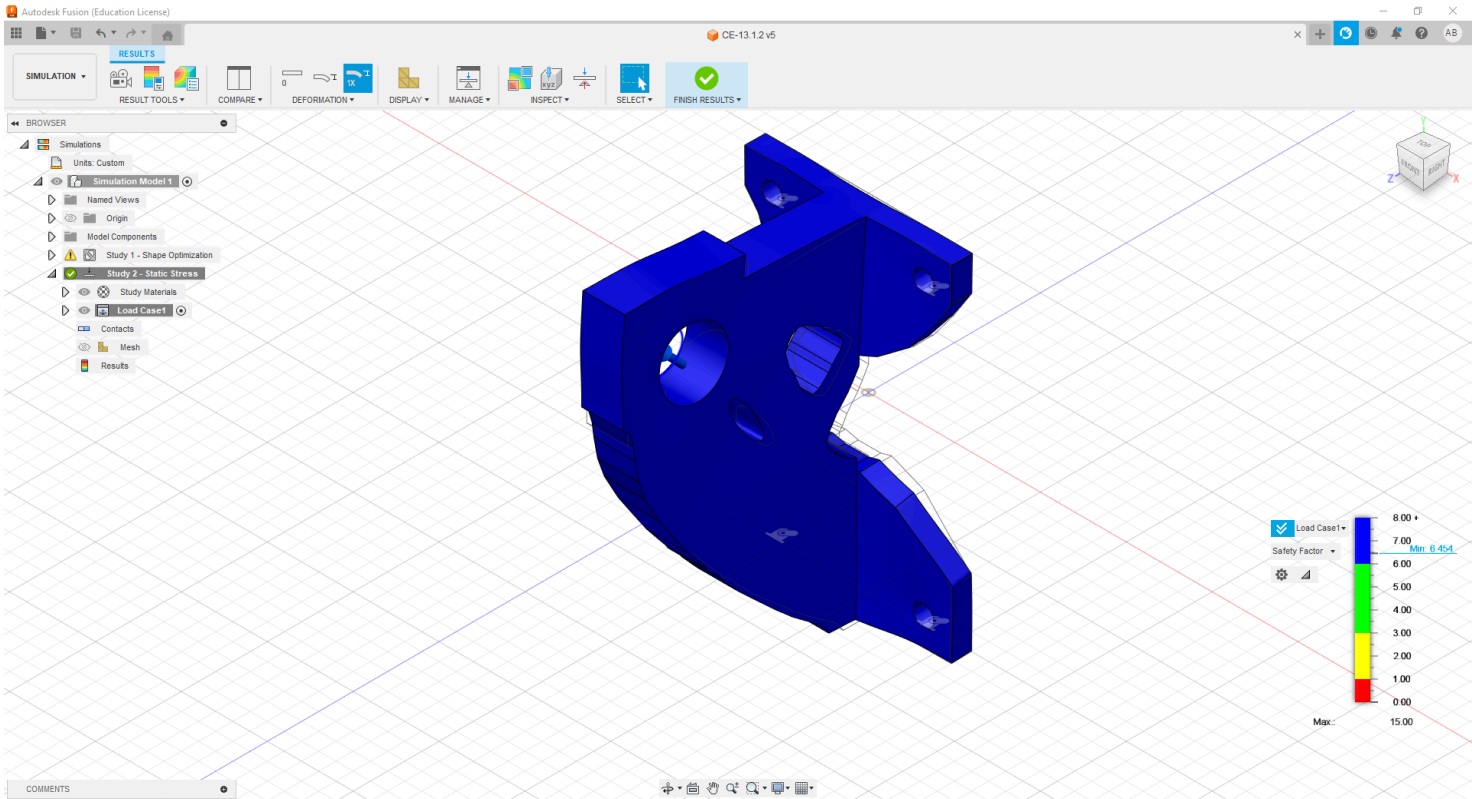
old weight = 0.319 kg

new weight = 0.20 kg

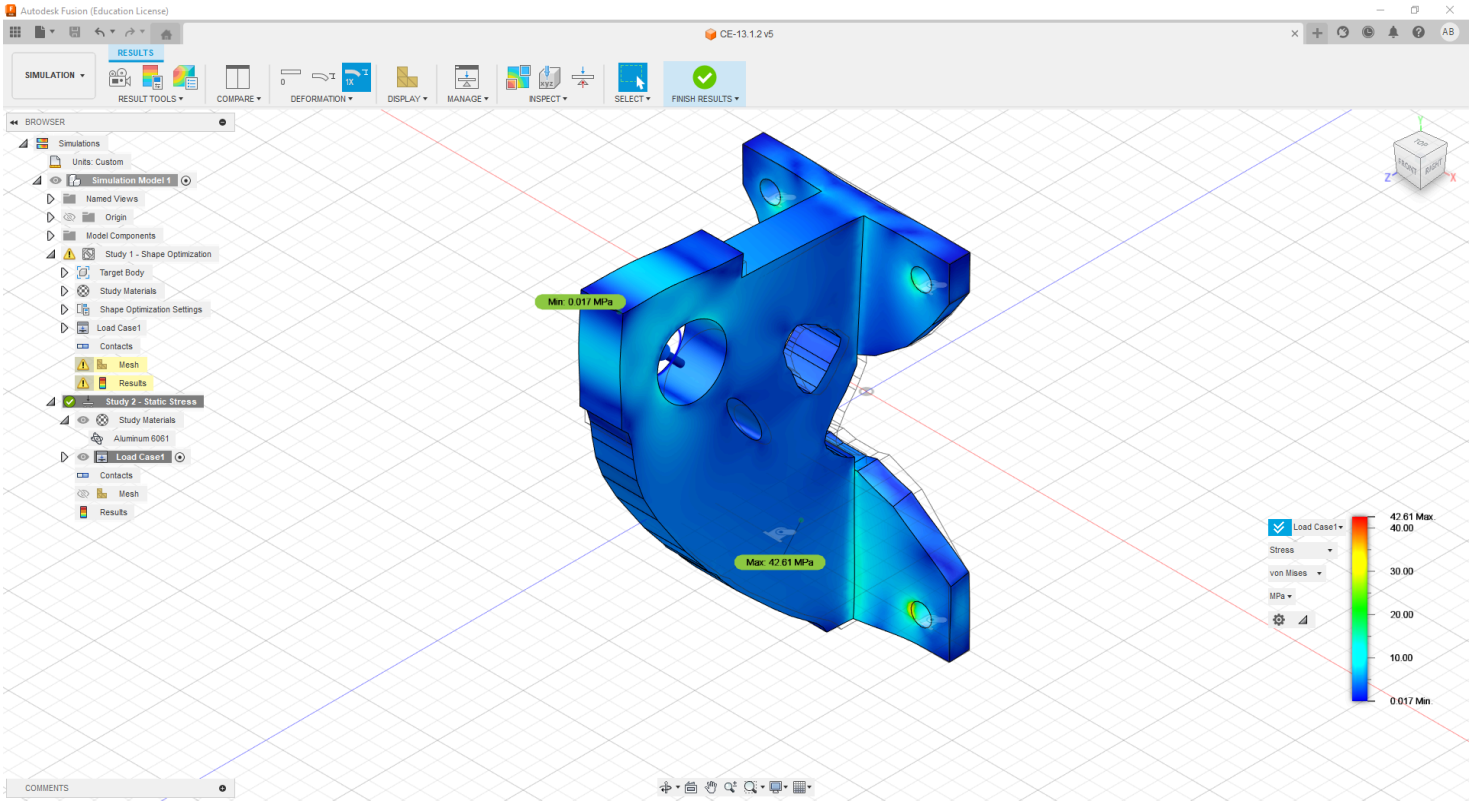
CE-13.1.2
Optimized part



Safety Factor



Von Mises Stress



old weight = 0.319 kg new weight = 0.204 kg