

# Dynamic FEA of A Helmet In Action

## Jordan Smith III

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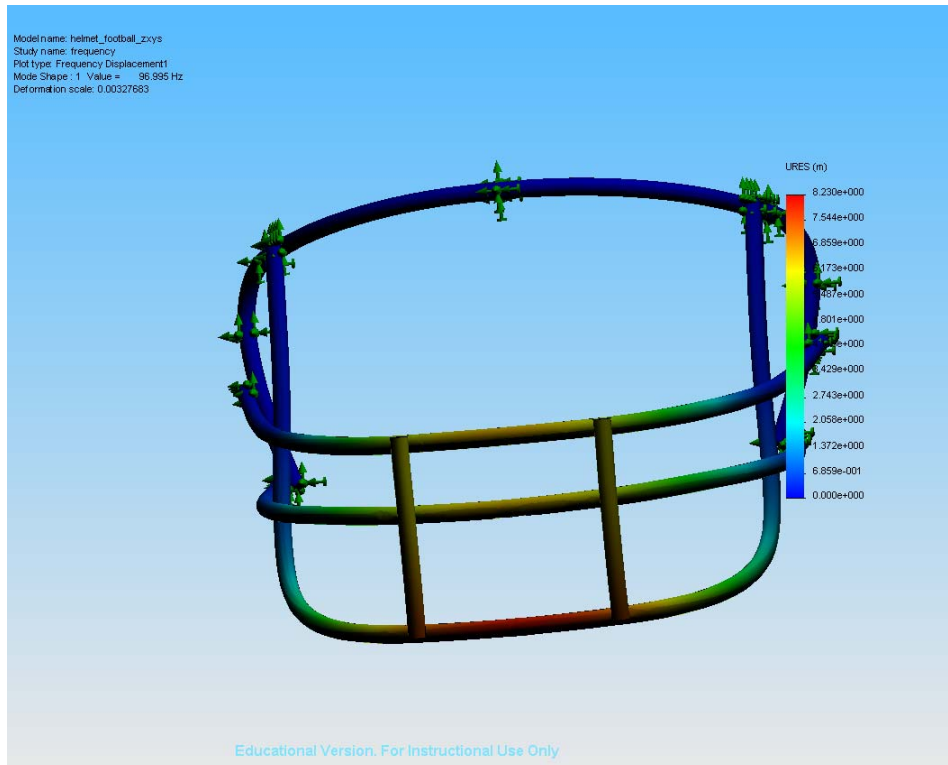


Figure 1: Modal shape & deformation at frequency 1

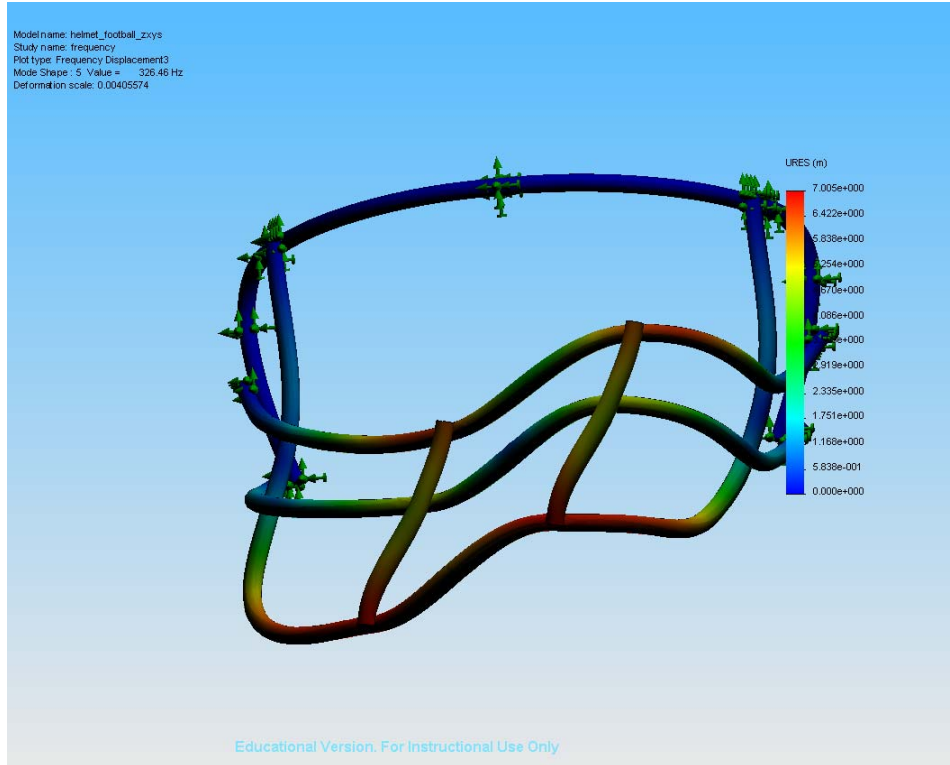


Figure 2: Modal shape & deformation at frequency 5

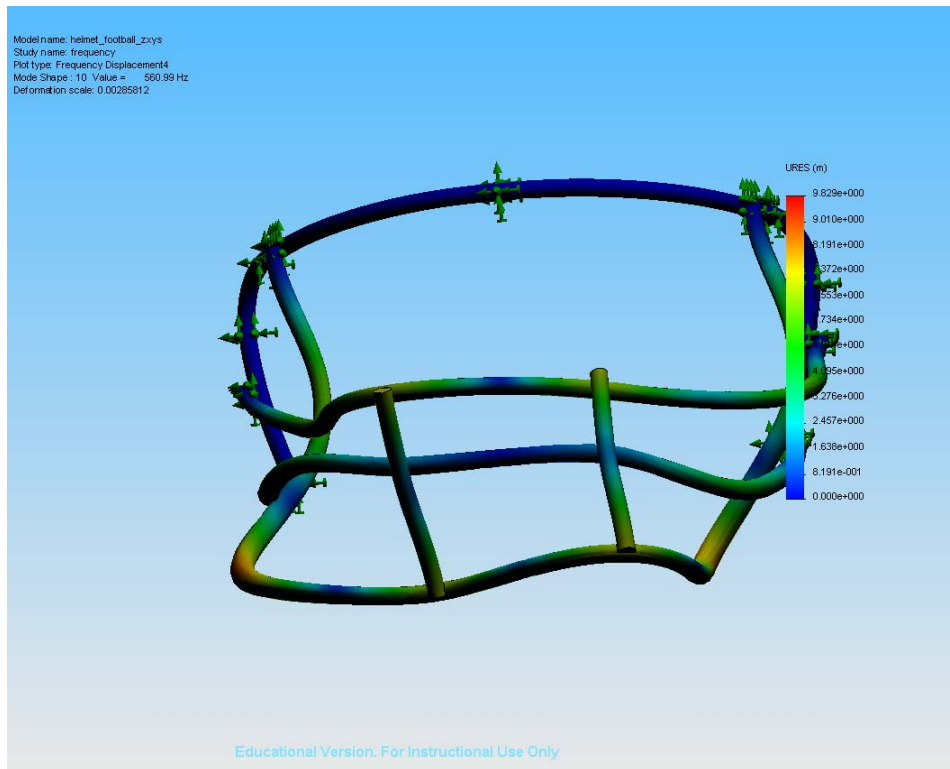


Figure 3: Modal shape & deformation at frequency 10

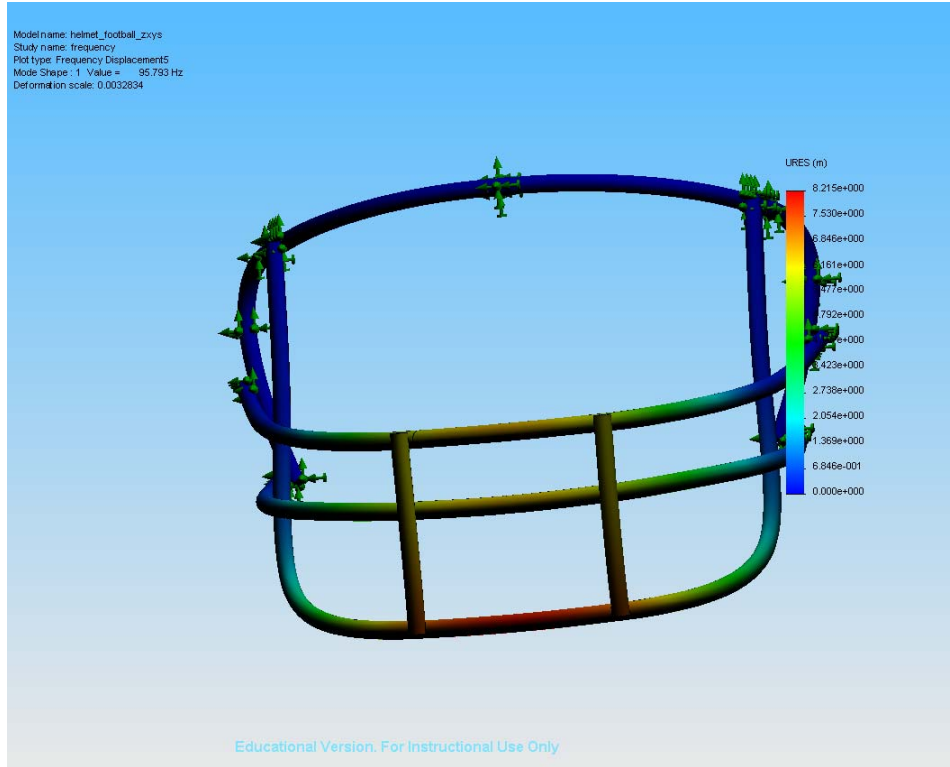


Figure 4: Frequency 1 at mesh size 0.1

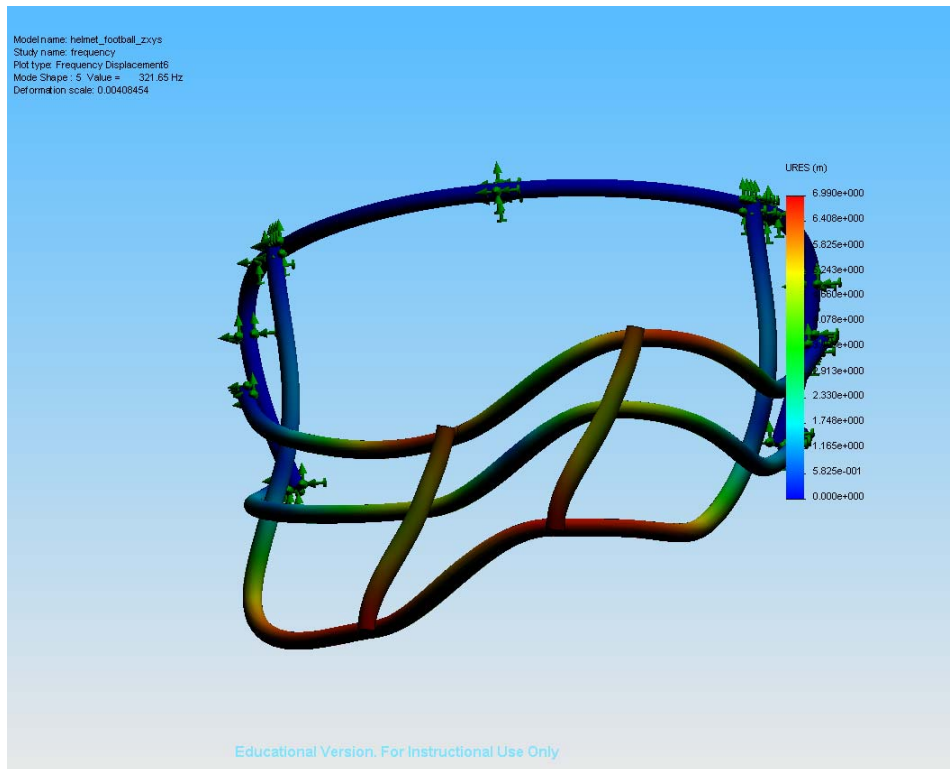


Figure 5: Frequency 5 at mesh size 0.1

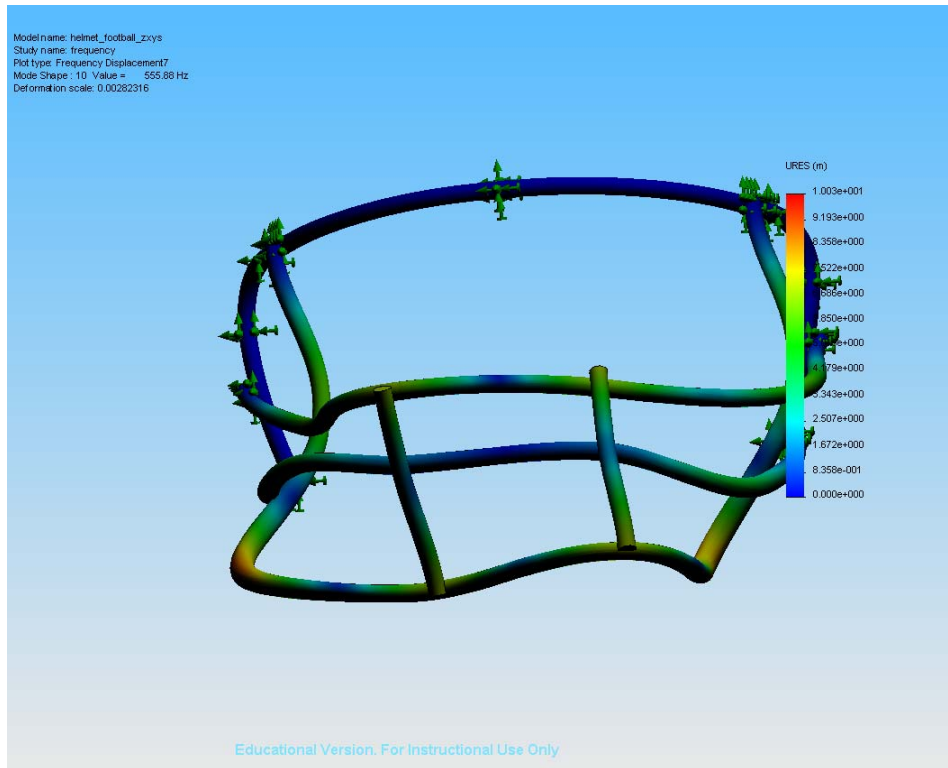


Figure 6: Frequency 10 at mesh size 0.1

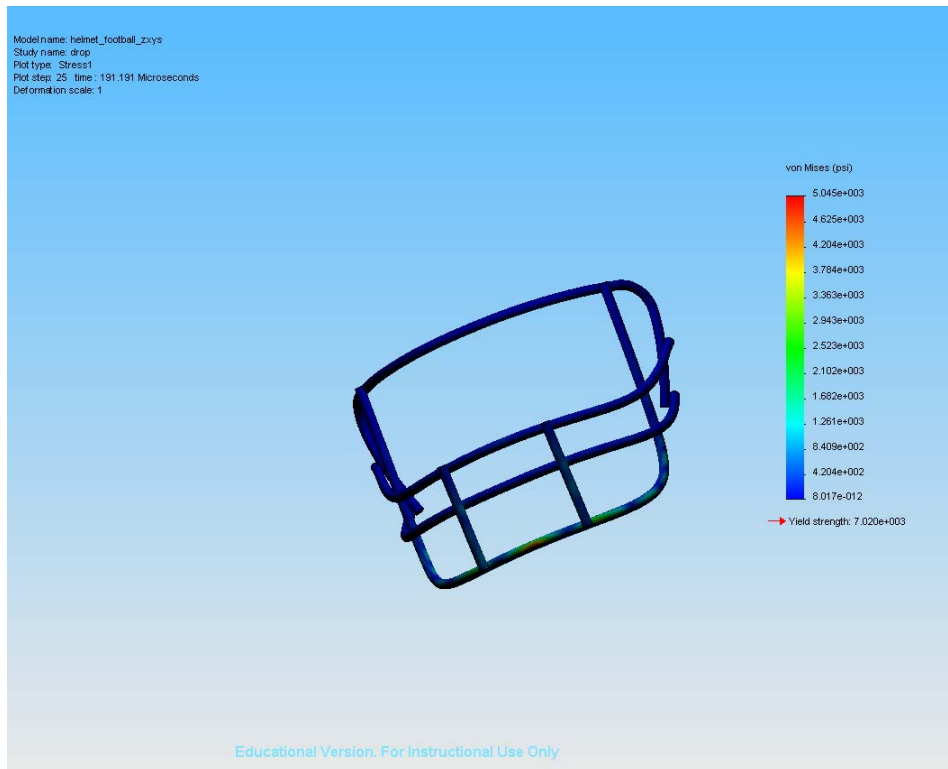


Figure 7: Stress plot after drop test

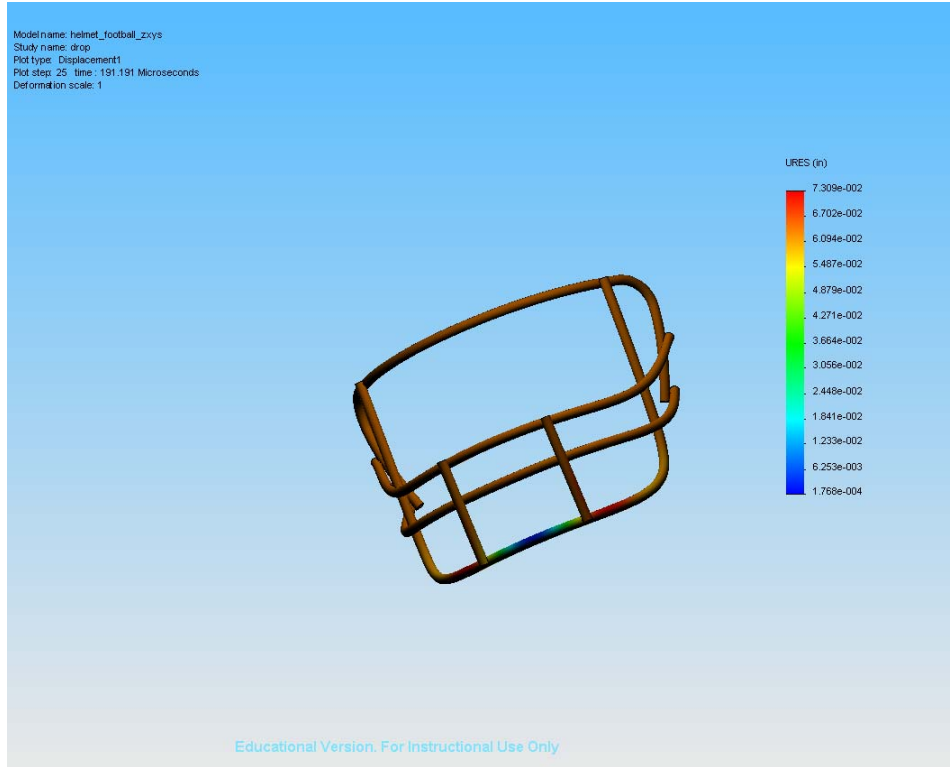


Figure 8: Displacement plot after drop test