

Figure A.1 Gust velocity variation (left) and its occurrence for each flight (right)

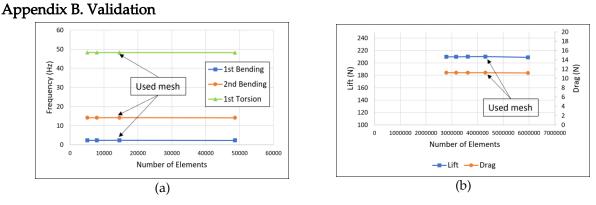


Figure B.1 Rear wing mesh convergence: (a) Structural domain, and (b) Fluid domain

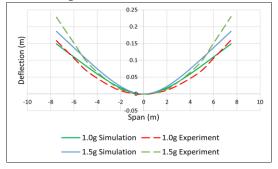


Figure B.2 Comparison of rear wing deflection with static structural test

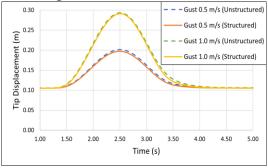


Figure B.3 Comparison of rear wing tip deflection at structured and unstructured mesh

Appendix C. Dynamic Response Contour

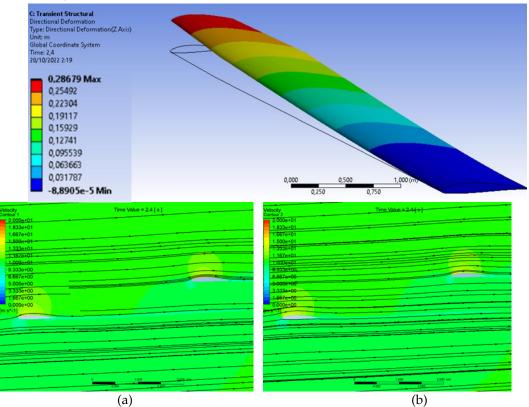


Figure C.1 Dynamic response contour of structural deformation at maximum gust velocity with 1.0 m/s amplitude: (a) 10% and (b) 50% span of the rear wing

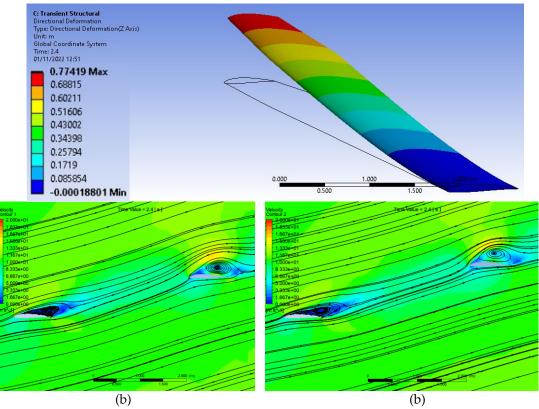


Figure C.2 Dynamic response contour of structural deformation at maximum gust velocity with 4.0 m/s amplitude: (a) 10% and (b) 50% span of the rear wing