

Supplementary material. Contours for three velocity components and vorticity magnitude

In the supplementary material, the contours for three velocity components and vorticity magnitude of cases (a-n) at $t=T$, $0.25T$ and $0.5T$ are present in the 3D view.

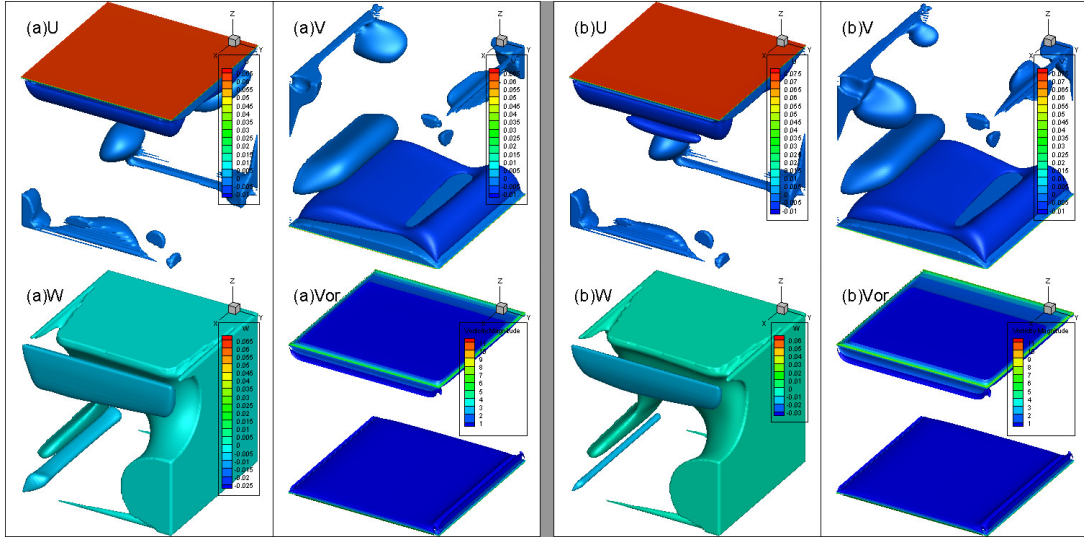


Figure S1. Contours for Velocity U, V, W and Vorticity magnitude at $t=T$ in case (a) and case (b).

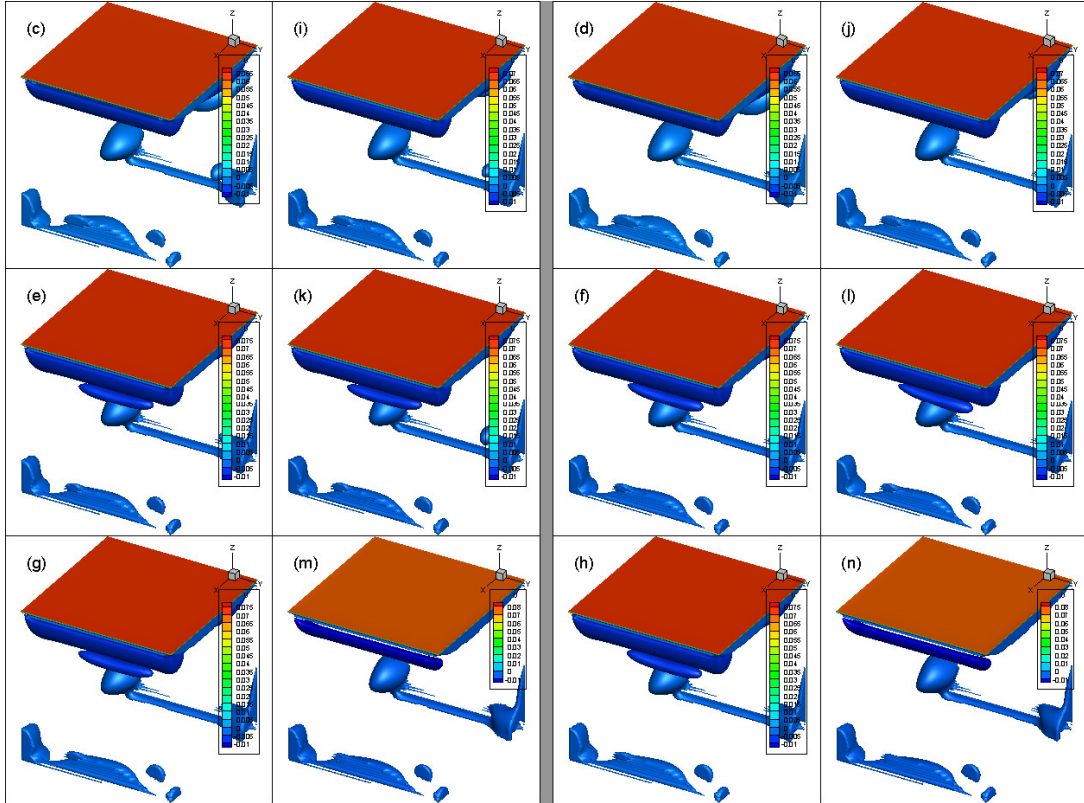


Figure S2. Contours for Velocity U at $t=T$ in cases (c-n).

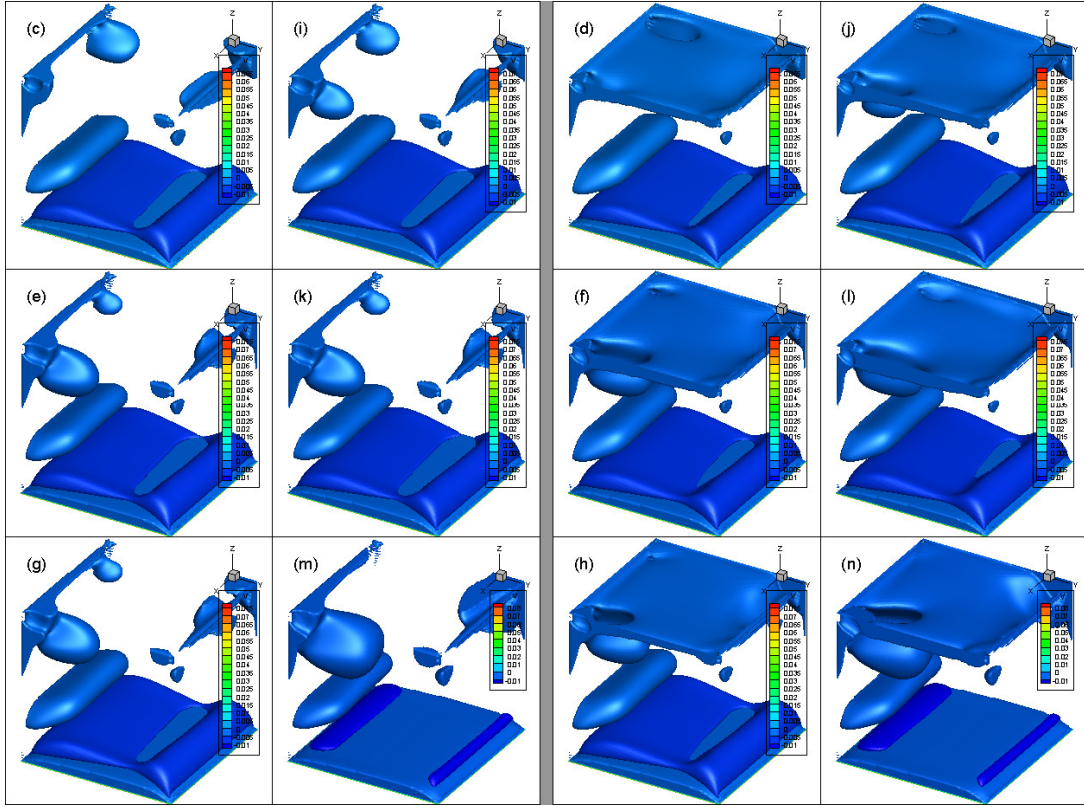


Figure S3. Contours for Velocity V at $t=T$ in cases (c-n).

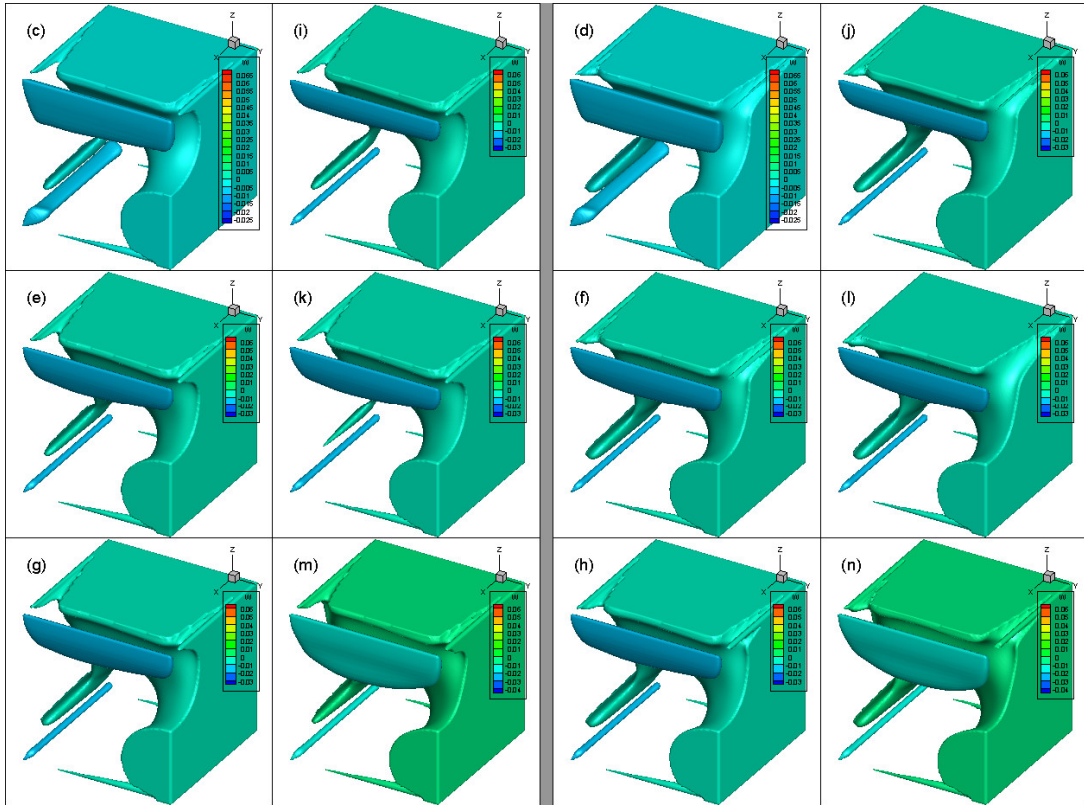


Figure S4. Contours for Velocity W at $t=T$ in cases (c-n).

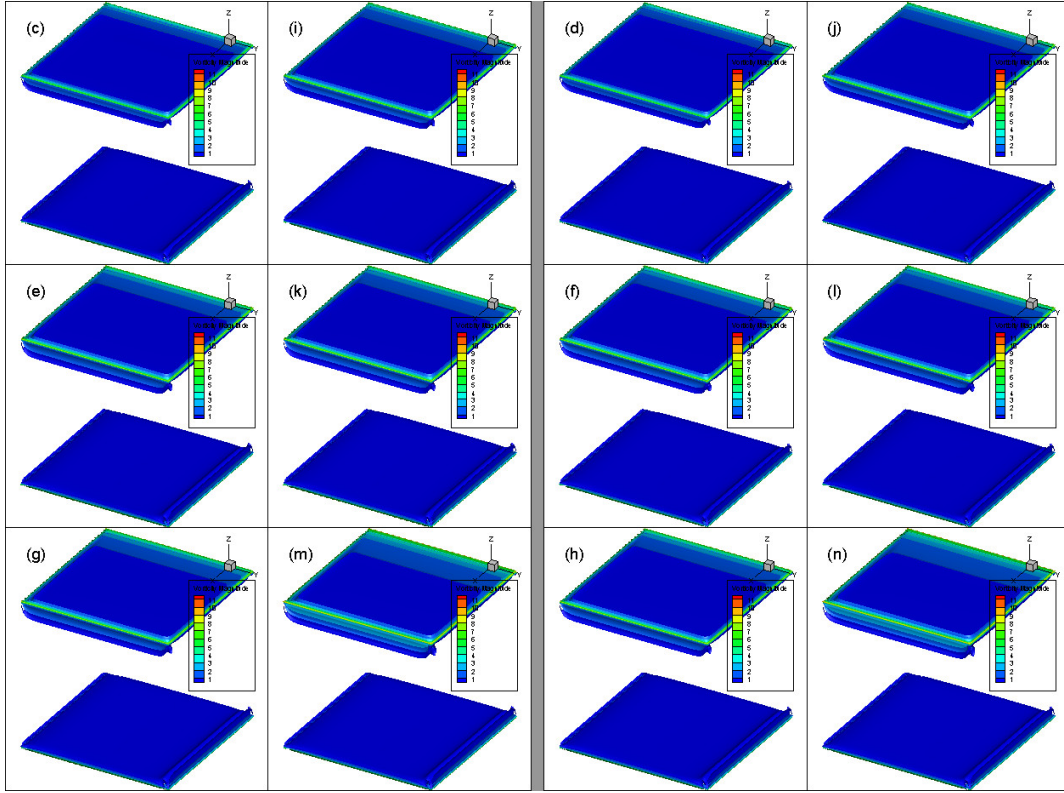


Figure S5. Contours for Vorticity magnitude at $t=T$ in cases (c–n).

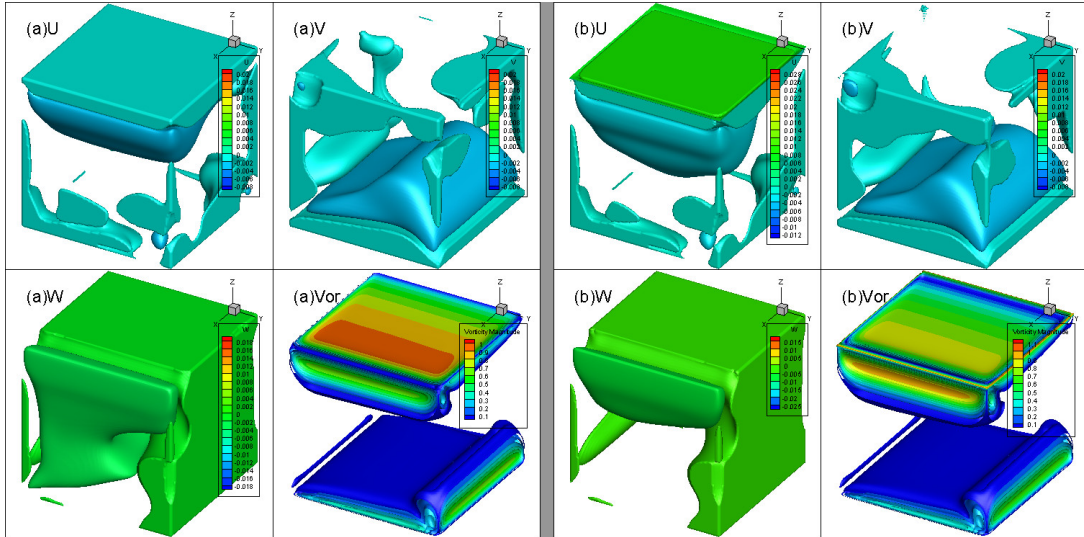


Figure S6. Contours for Velocity U, V, W and Vorticity magnitude at $t=0.25T$ in case (a) and case (b).

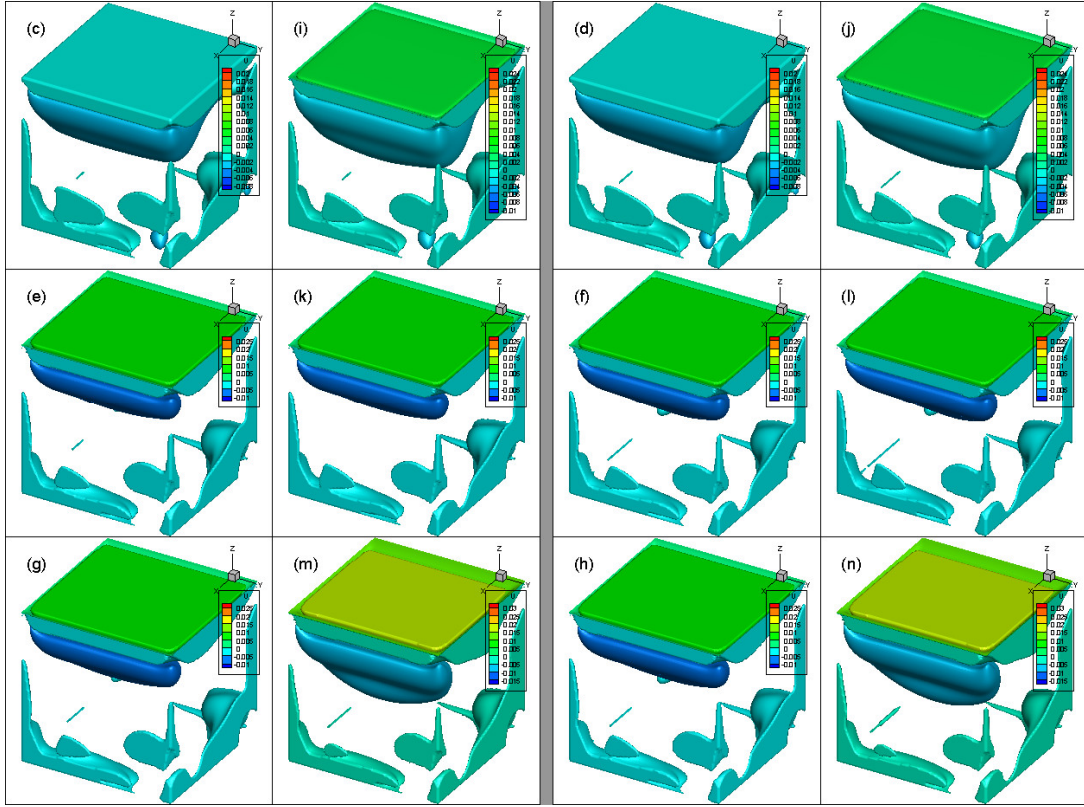


Figure S7. Contours for Velocity U at $t=0.25T$ in cases (c–n).

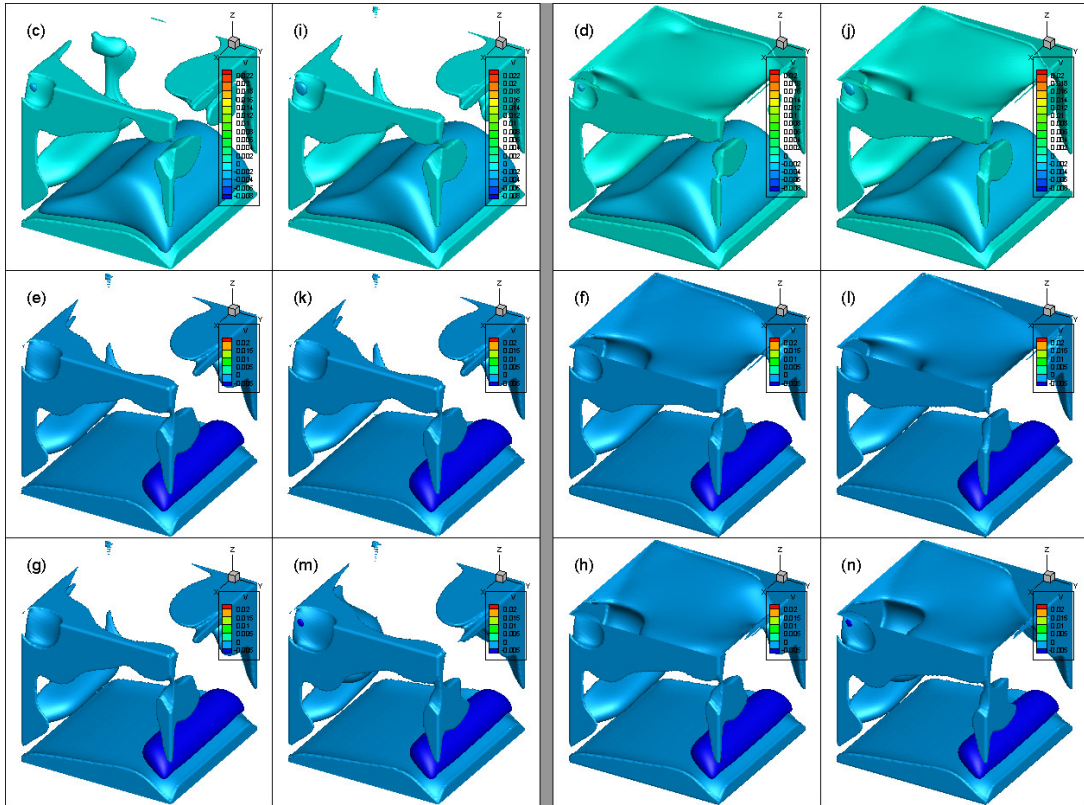


Figure S8. Contours for Velocity V at $t=0.25T$ in cases (c–n).

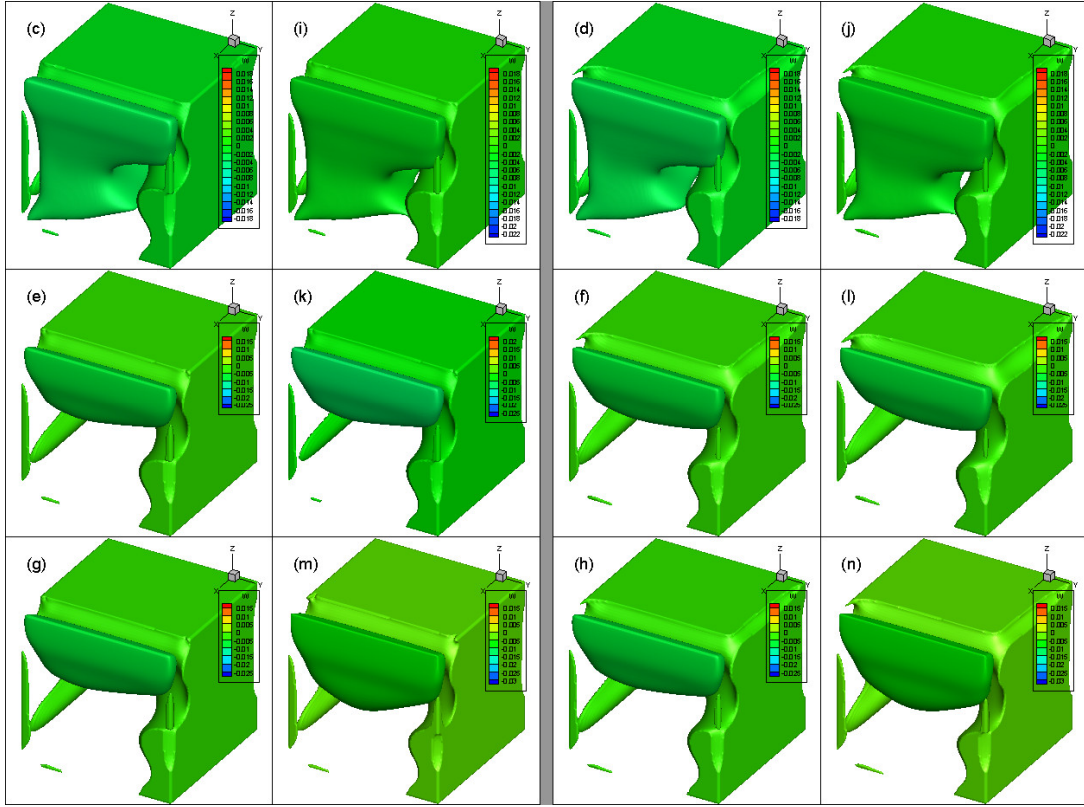


Figure S9. Contours for Velocity W at $t=0.25T$ in cases (c-n).

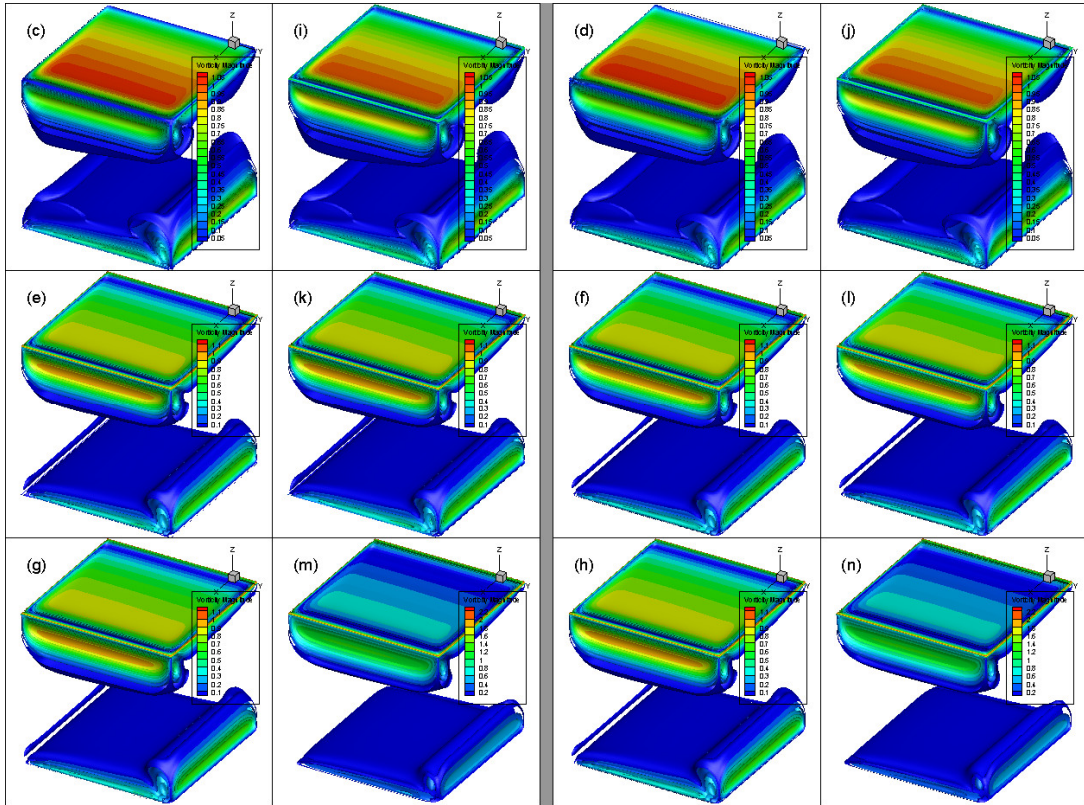


Figure S10. Contours for Vorticity magnitude at $t=0.25T$ in cases (c-n).

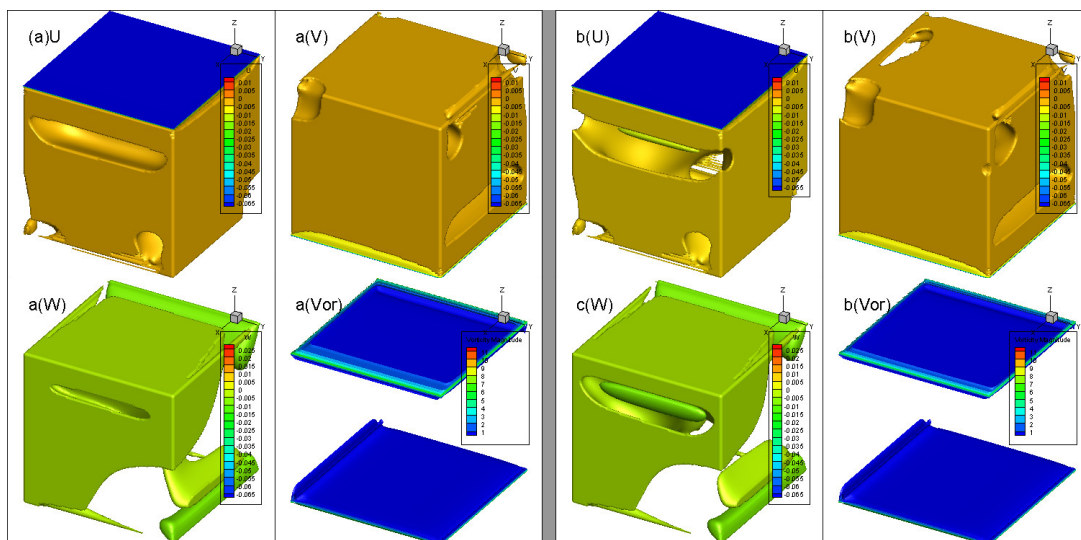


Figure S11. Contours for Velocity U, V, W and Vorticity magnitude at $t=0.5T$ in case (a) and case (b).

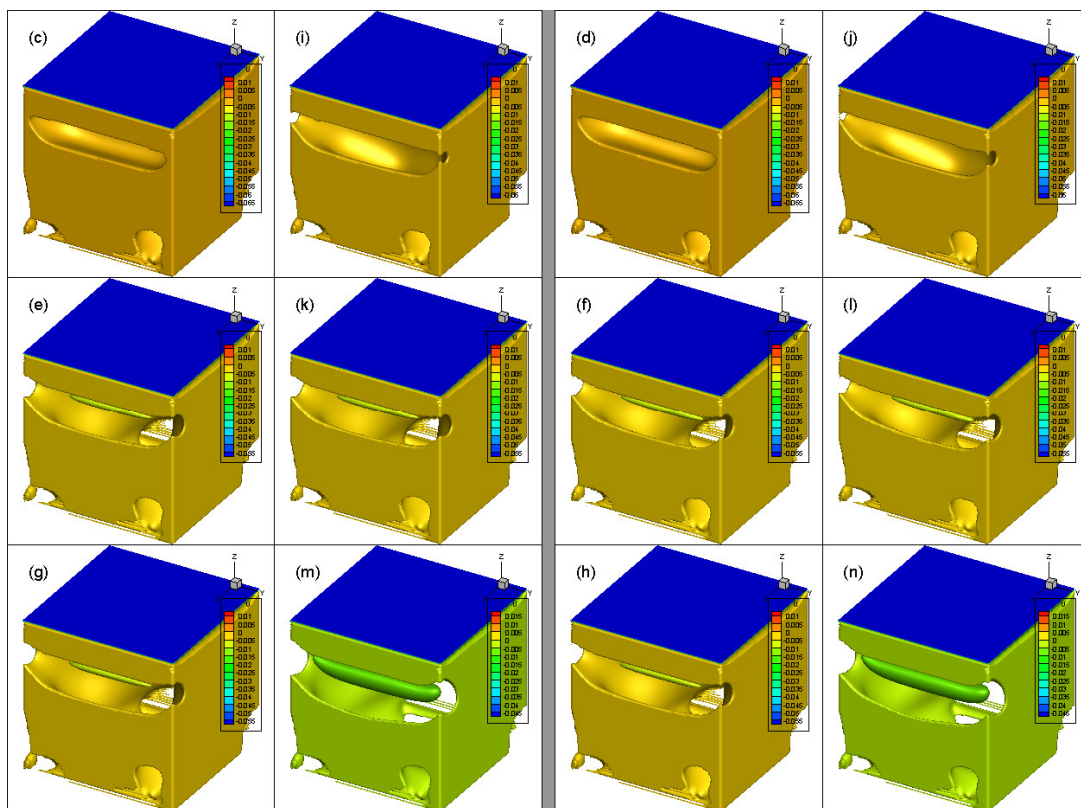


Figure S12. Contours for Velocity U at $t=0.5T$ in cases (c-n).

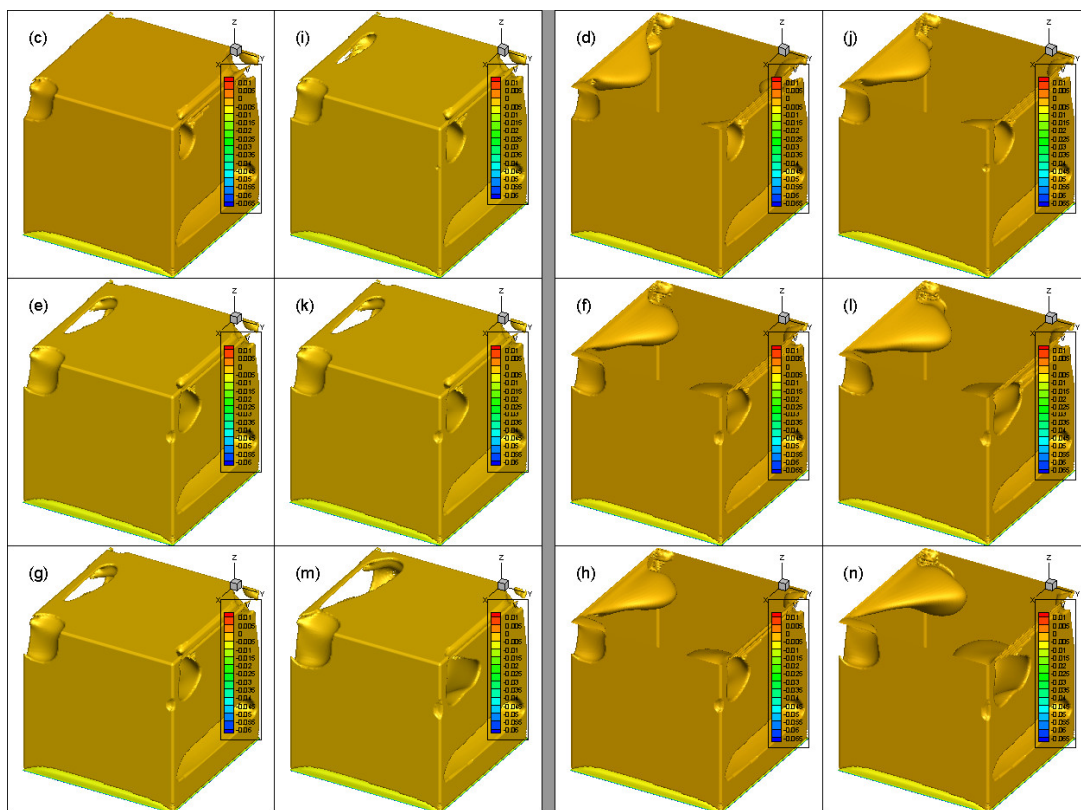


Figure S13. Contours for Velocity V at $t=0.5T$ in cases (c-n).

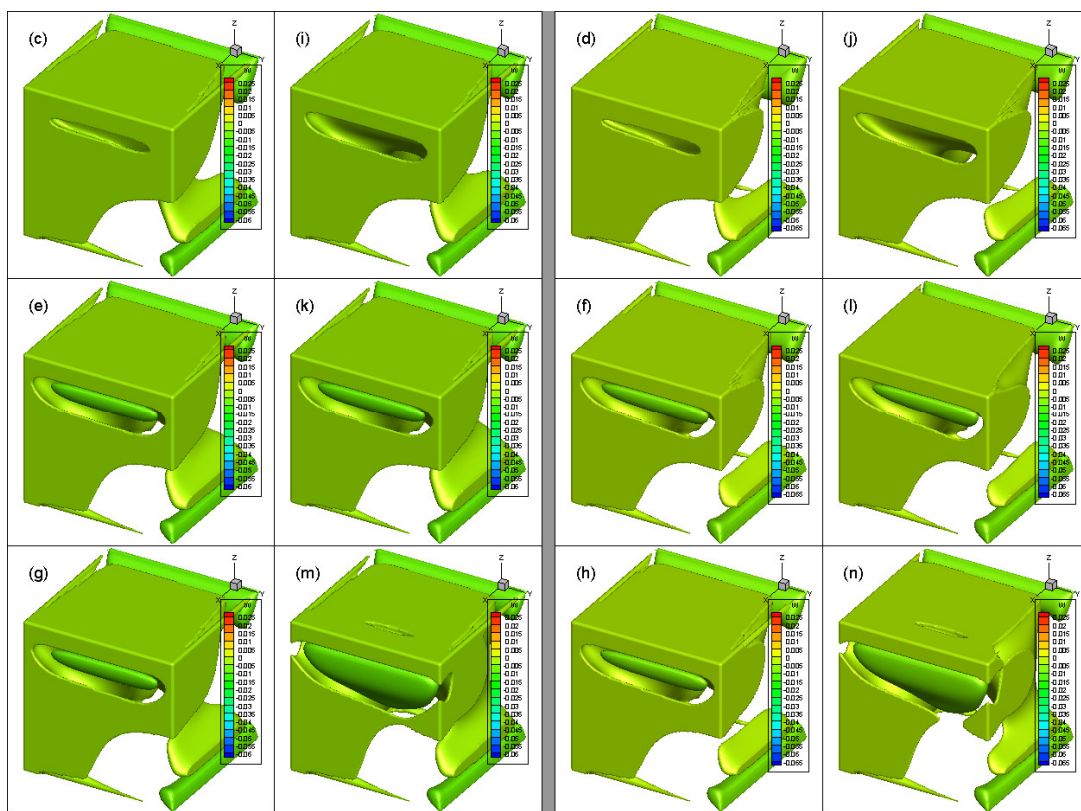


Figure S14. Contours for Velocity W at $t=0.5T$ in cases (c-n).

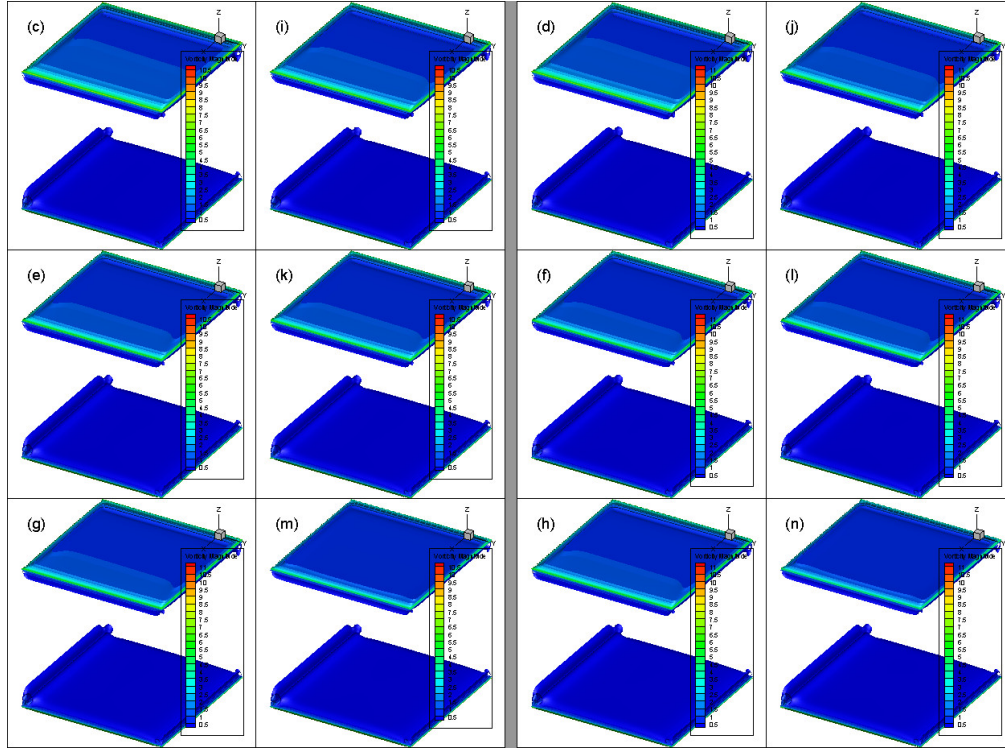


Figure S15. Contours for Vorticity magnitude at $t=0.5T$ in cases (c-n).

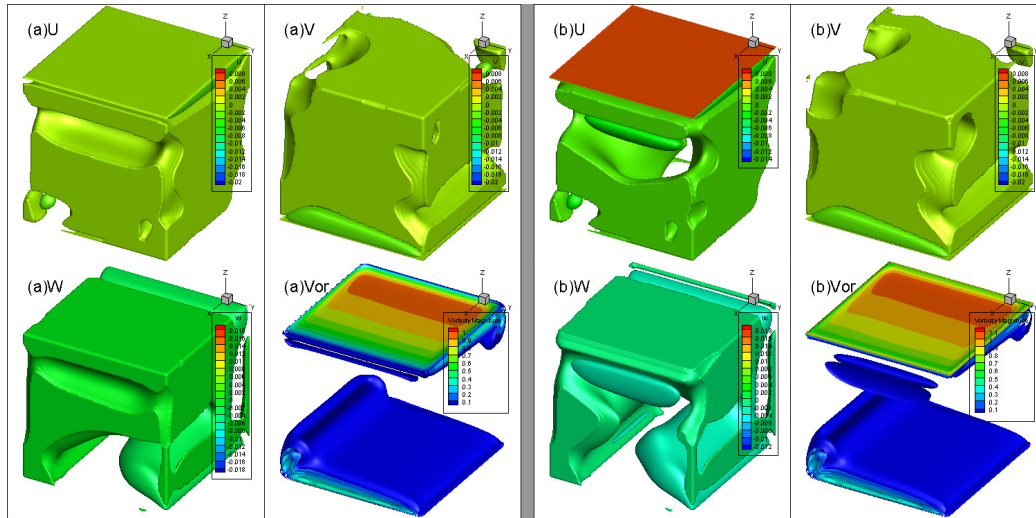


Figure S16. Contours for Velocity U , V , W and Vorticity magnitude at $t=0.75T$ in case (a) and case (b).

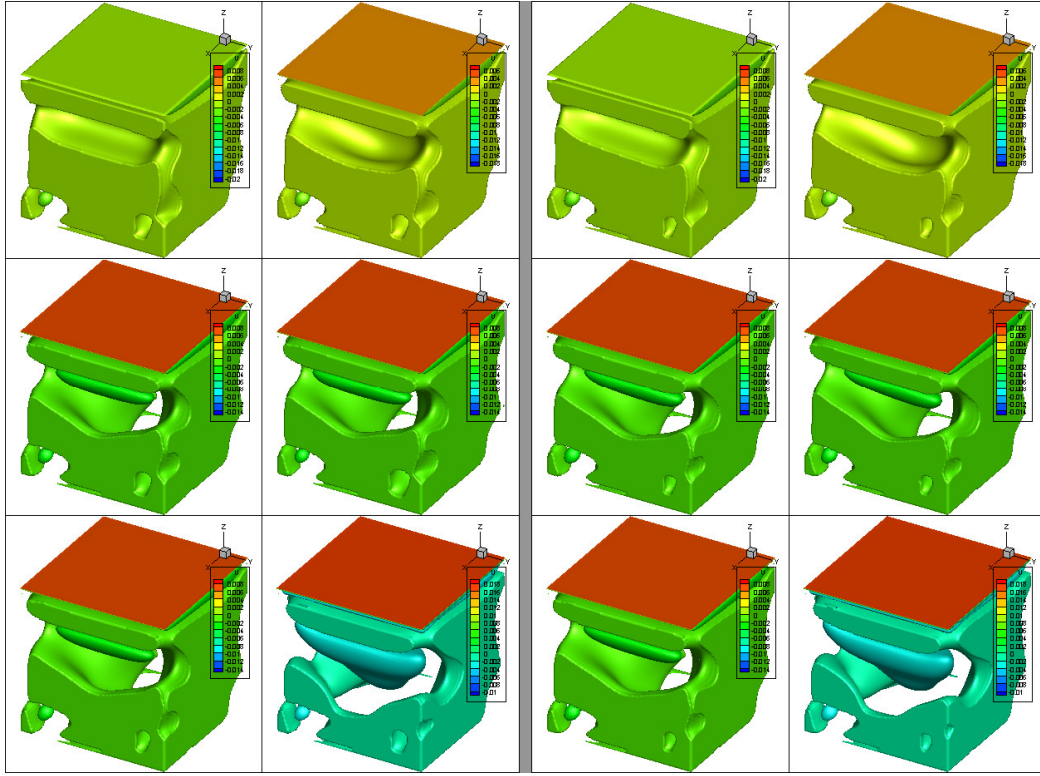


Figure S17. Contours for Velocity U at $t=0.75T$ in cases (c-n).

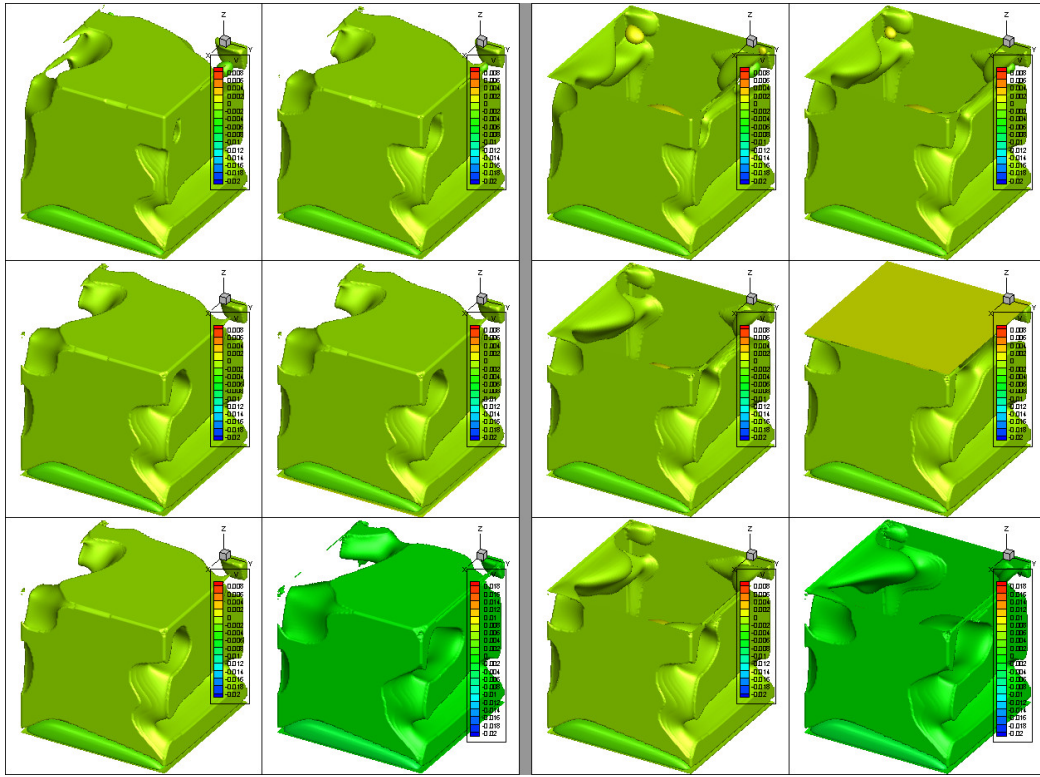


Figure S18. Contours for Velocity V at $t=0.75T$ in cases (c-n).

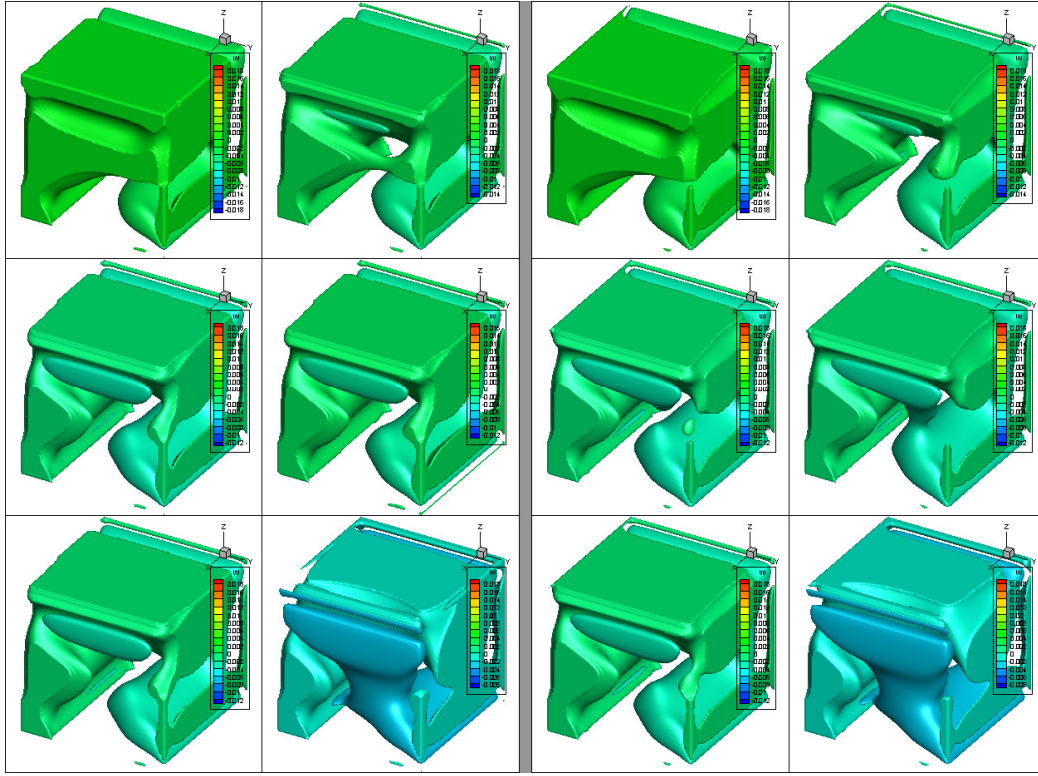


Figure S19. Contours for Velocity W at $t=0.75T$ in cases (c-n).

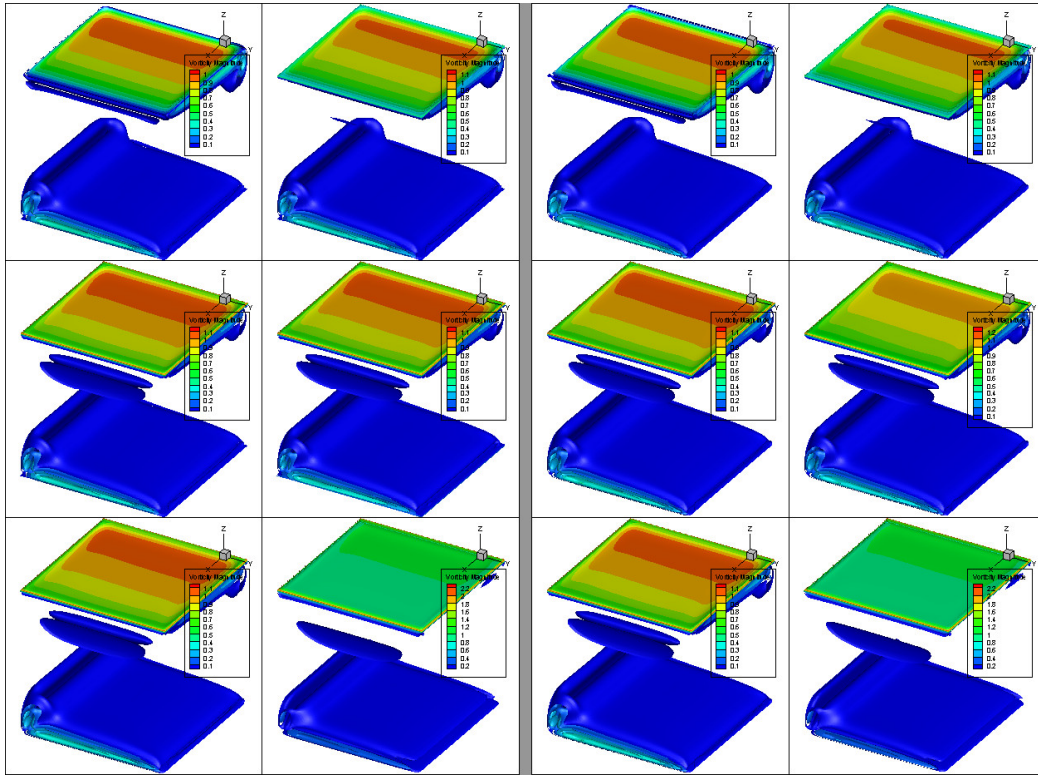


Figure S20. Contours for Vorticity magnitude at $t=0.75T$ in cases (c-n).