

Supplementary material to

NUMERICAL SIMULATION OF THE OSCILLATING THIN PLATE IMPACT ON NANOFLUIDS FLOW IN CHANNEL

Kadhun Audaa Jehhef¹, Musaab Kadem Rasheed^{2*}, Mohamed Abed Al Abas Siba²

¹Technical Engineering College - Baghdad, Middle Technical University, Baghdad, Iraq

²Institute of Technology, Middle Technical University, Baghdad, Iraq

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* E-mail: musaabk.rasheed@mtu.edu.iq

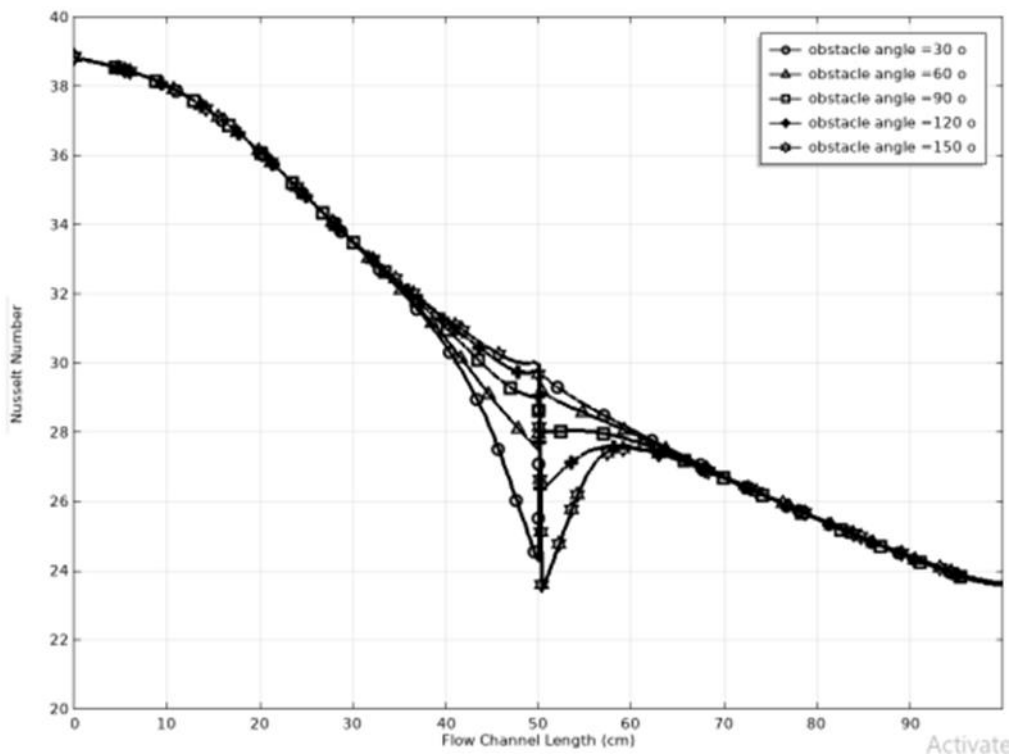


Figure S2. Variation of Nusselt number with nanoparticles volume fraction for thin plate obstacle angle of $\theta=90^\circ$.

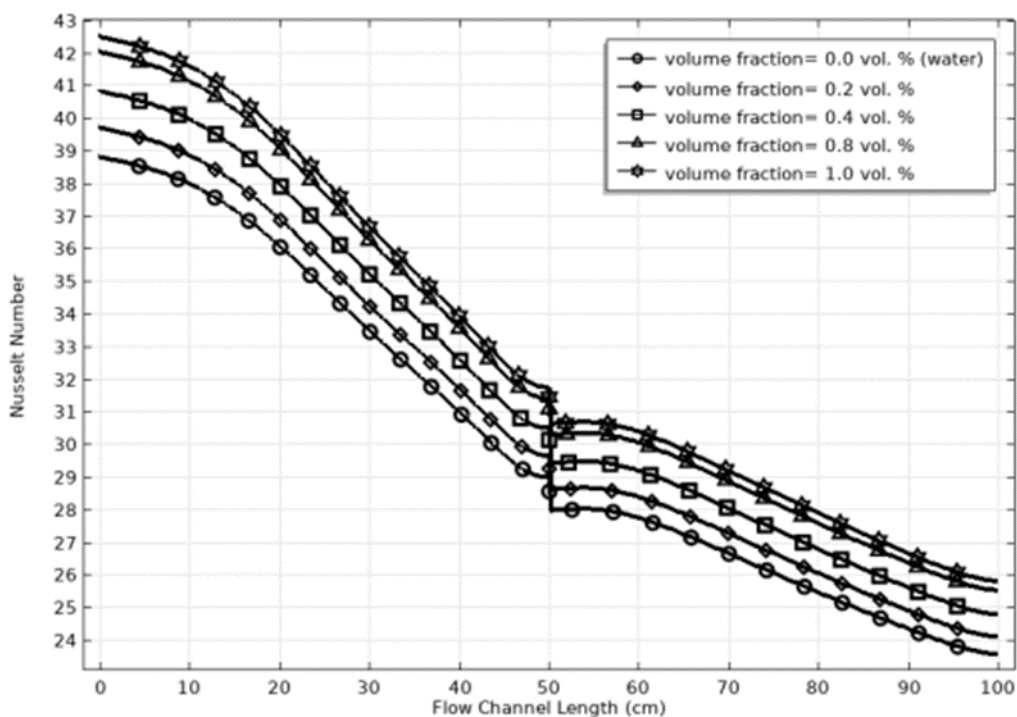


Figure S3. Variation of Nusselt number with nanoparticles volume fraction for thin plate obstacle angle of $\theta=90^\circ$.

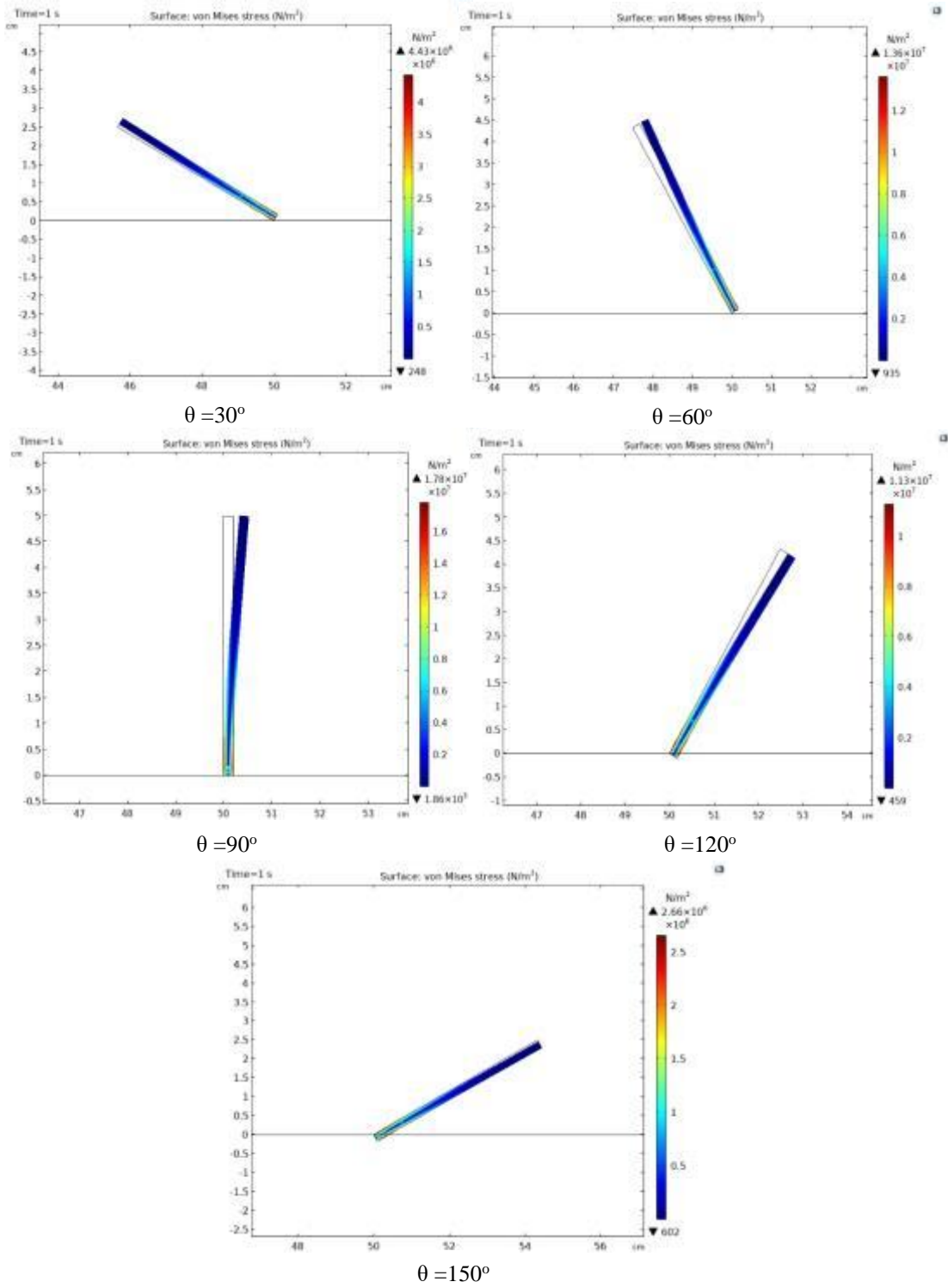


Figure S4. Thin plate von mises deformation stress under the effect of fluid flow.

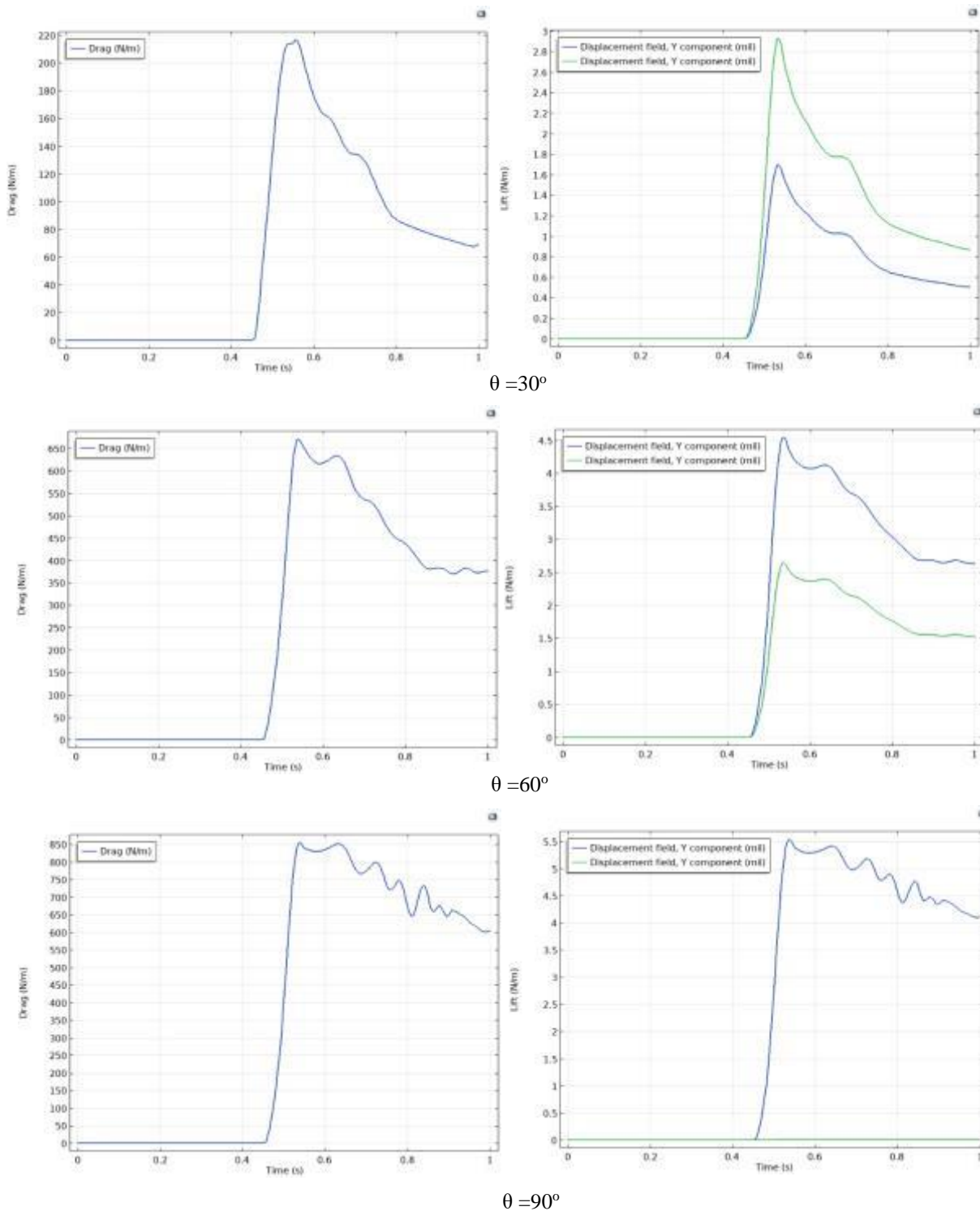


Figure S5. Drag force (left) and X and Y-displacement (right) with time.