

# Supplementary materials for

## Investigation on hydrodynamics of water impact and tail slamming of high-speed water entry with a novel immersed boundary method

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### Supplementary data 1

This data is the experimental data of the acceleration along  $x_b$ -axis over time shown in Figure 15(a) and Figure 27(a).

### Supplementary data 2

This data is the experimental data of the acceleration along  $z_b$ -axis over time shown in Figure 15(b) and Figure 27(b).

### Supplementary data 3

This data is the experimental data of the angular velocity around  $y_b$ -axis over time shown in Figure 15(c) and Figure 27(c).