

Figure 1- Time series for head waves with $\lambda/L=0.65$ and $A/L=0.00511$ for submissions (FORCE: red; IIHR: black) and EFD (symbols): (a) wave; (b) resistance coefficient $C_T = \frac{X}{1/2\rho S V^2}$; (c) heave; and (d) pitch

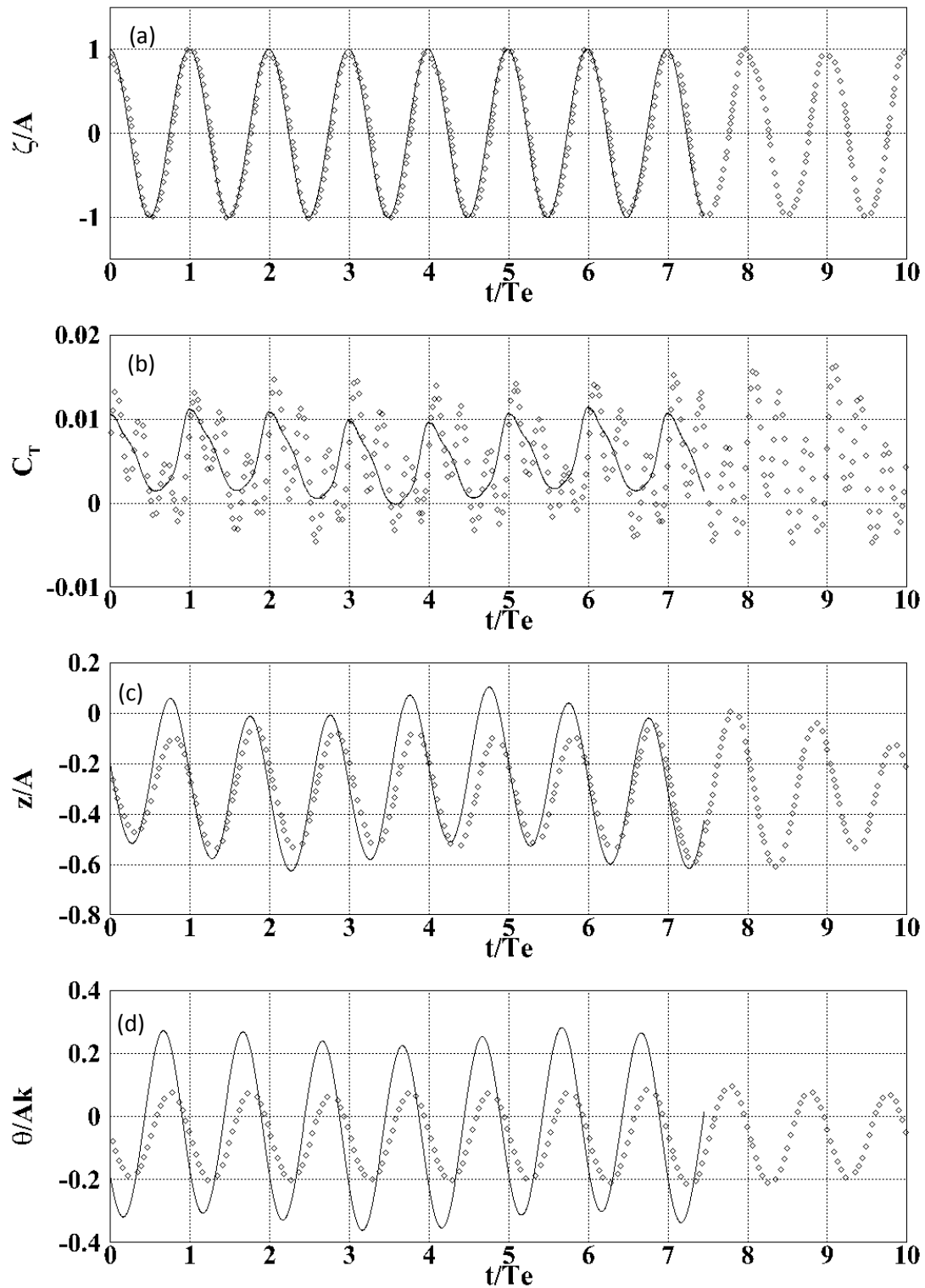


Figure 2- Time series for head waves with $\lambda/L=0.85$ and $A/L=0.00642$ for submissions (IIHR: black) and EFD (symbols): (a) wave; (b) resistance coefficient $C_T = \frac{X}{1/2\rho S V^2}$; (c) heave; and (d) pitch

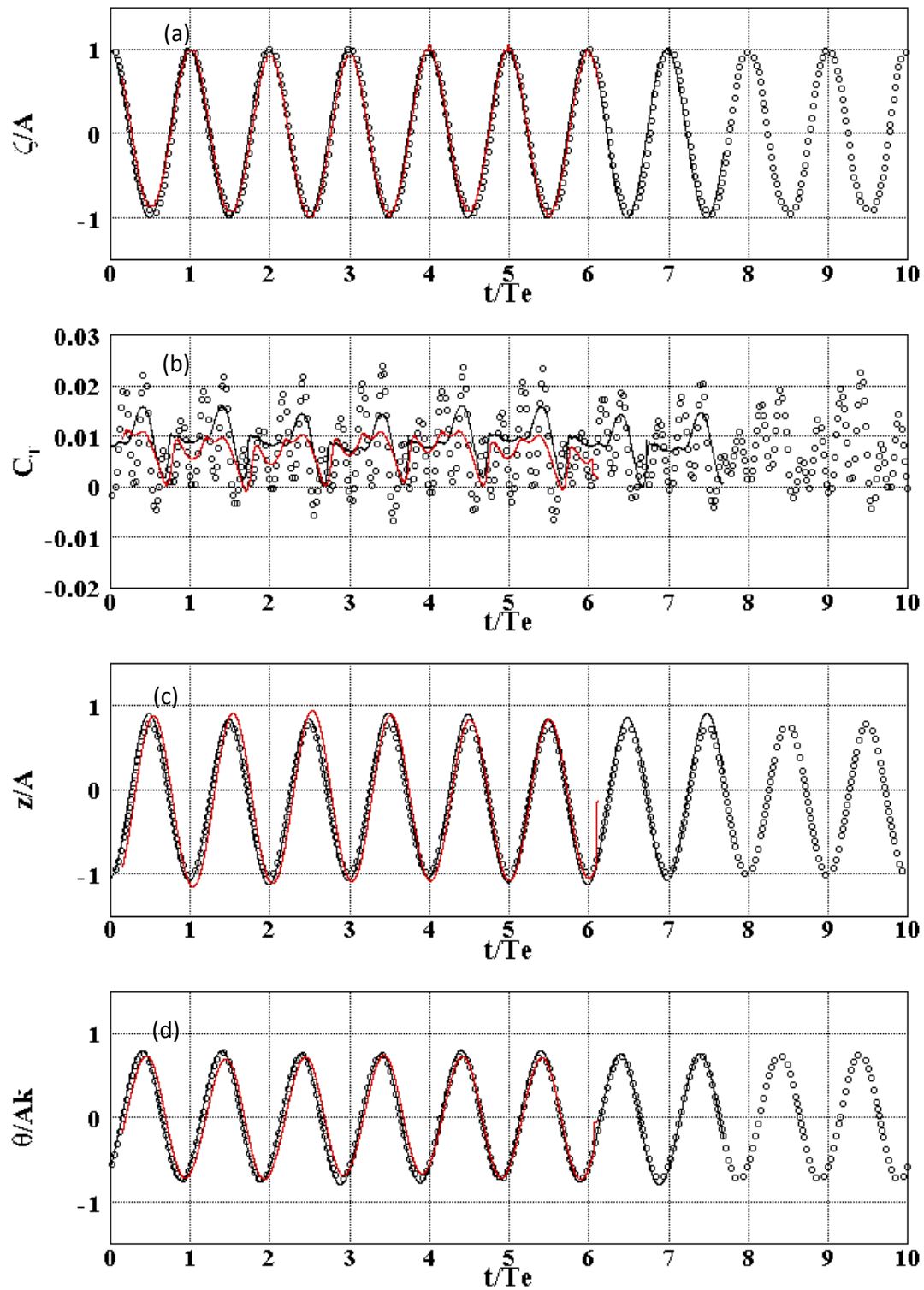


Figure 3- Time series for head waves with $\lambda/L=1.15$ and $A/L=0.0101$ for submissions (FORCE: red; IIHR: black) and EFD (symbols): (a) wave; (b) resistance coefficient $C_T = \frac{X}{1/2\rho S V^2}$; (c) heave; and (d) pitch

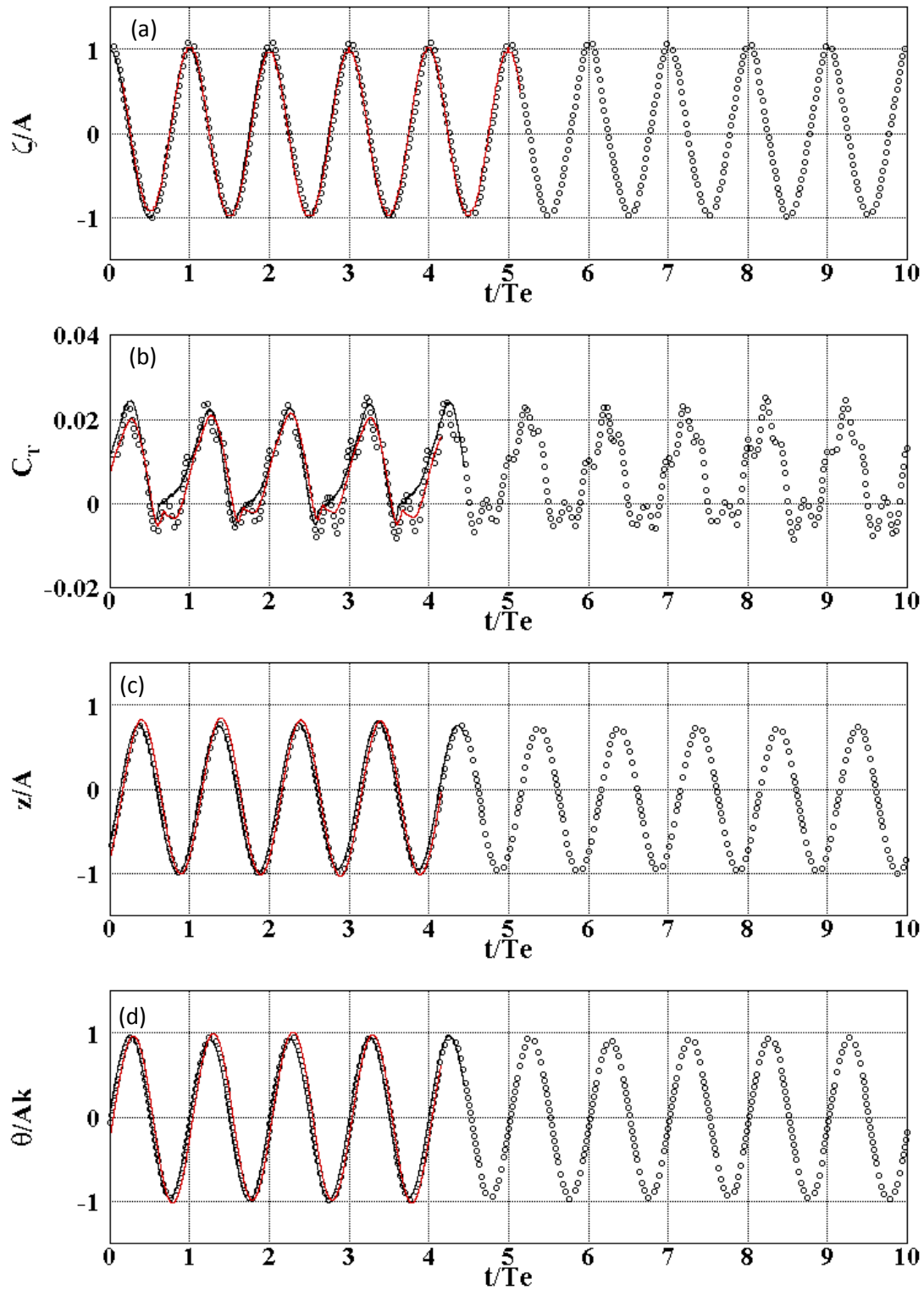


Figure 4- Time series for head waves with $\lambda/L=1.37$ and $A/L=0.0123$ for submissions (FORCE: red; IIHR: black) and EFD (symbols): (a) wave; (b) resistance coefficient $C_T = \frac{X}{1/2\rho S V^2}$; (c) heave; and (d) pitch

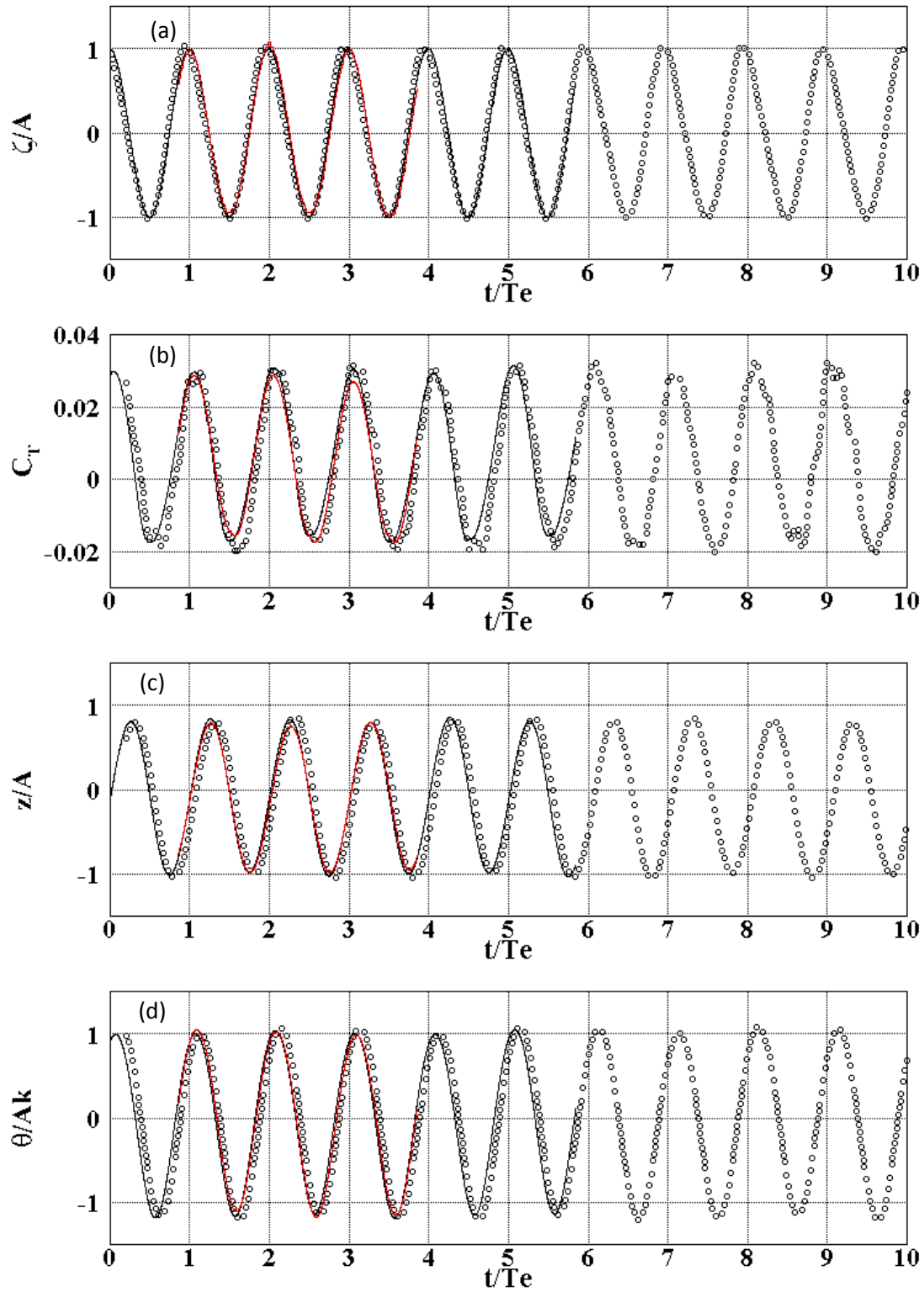


Figure 5- Time series for head waves with $\lambda/L=1.95$ and $A/L=0.0161$ for submissions (FORCE: red; IIHR: black) and EFD (symbols): (a) wave; (b) resistance coefficient $C_T = \frac{x}{1/2\rho s v^2}$; (c) heave; and (d) pitch