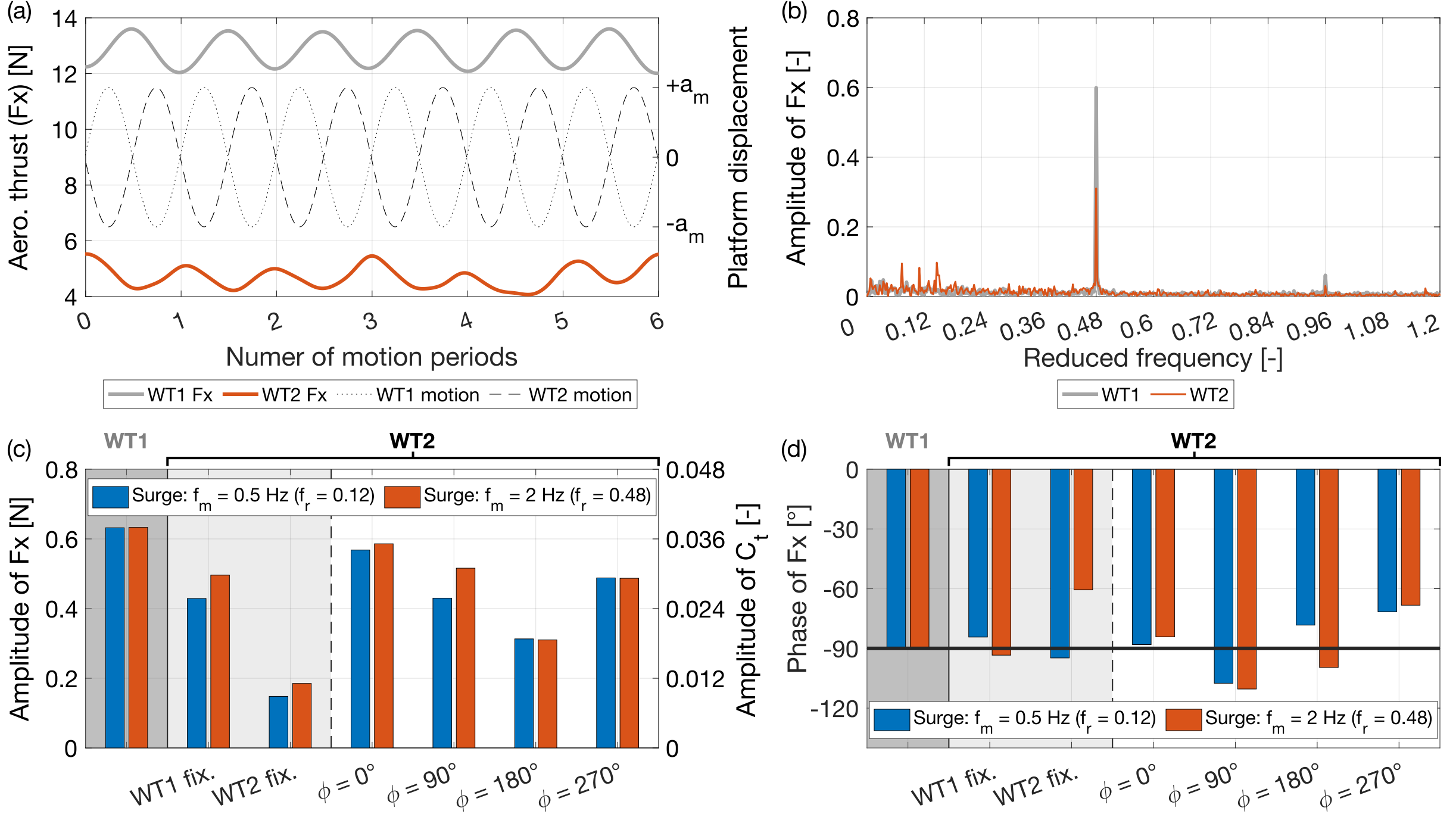

(a)
Aero. thrust (Fx) [N]
Platform displacement
+a_m
0
-a_m
Numer of motion periods
WT1 Fx
WT2 Fx
WT1 motion
WT2 motion
(b)
Amplitude of Fx [-]
Reduced frequency [-]
WT1
WT2
(c)
WT1
WT2
Amplitude of Fx [N]
Amplitude of C_t [-]
Surge: f_m = 0.5 Hz (f_r = 0.12)
Surge: f_m = 2 Hz (f_r = 0.48)
WT1 fix.
WT2 fix.
ϕ = 0°
ϕ = 90°
ϕ = 180°
ϕ = 270°
(d)
WT1
WT2
Phase of Fx [°]
Surge: f_m = 0.5 Hz (f_r = 0.12)
Surge: f_m = 2 Hz (f_r = 0.48)
WT1 fix.
WT2 fix.
ϕ = 0°
ϕ = 90°
ϕ = 180°
ϕ = 270°