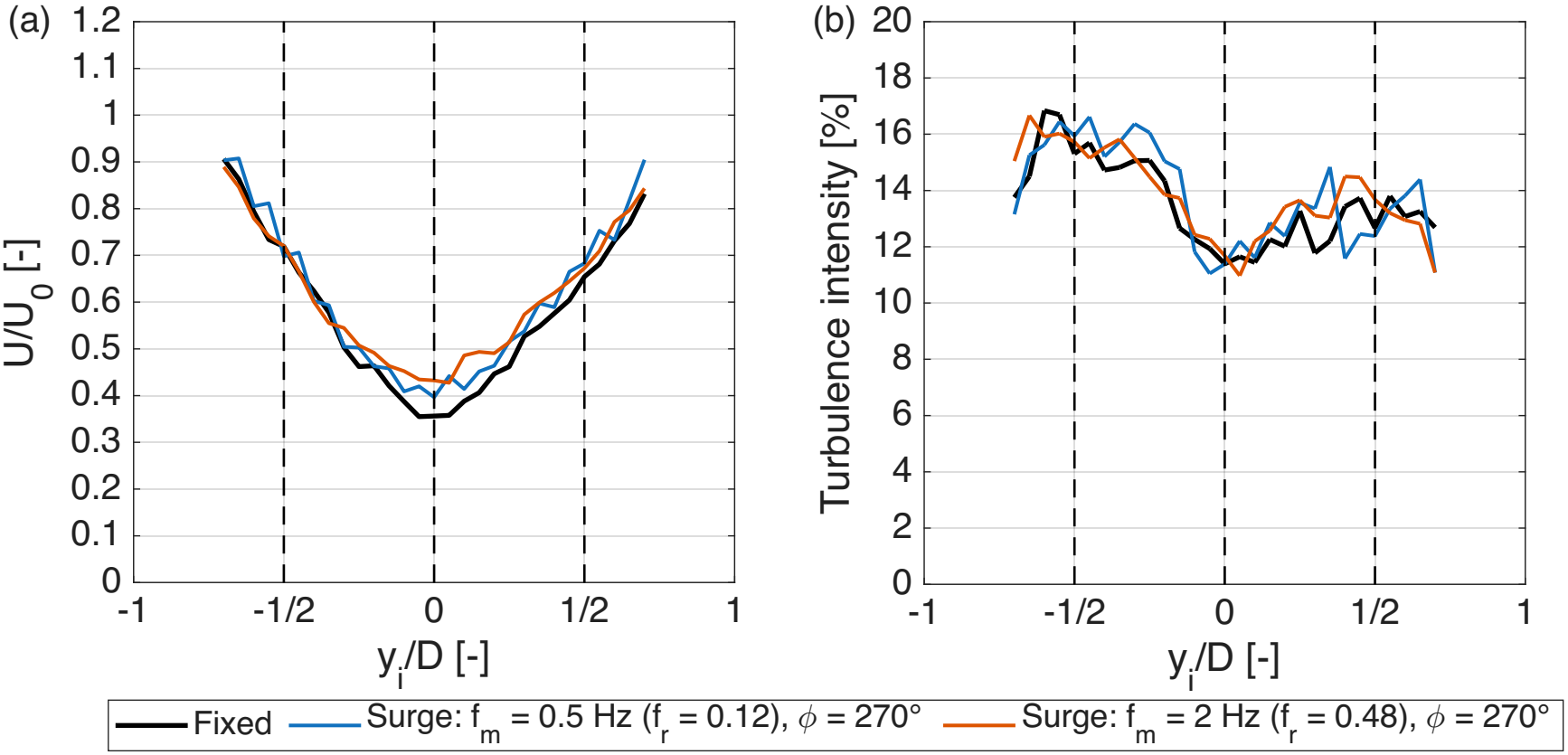

(a)
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
U/U0 [-]
-1
-1/2
0
1/2
1
yi/D [-]
(b)
20
18
16
14
12
10
8
6
4
2
0
Turbulence intensity [%]
-1
-1/2
0
1/2
1
yi/D [-]
Fixed
Surge: fm = 0.5 Hz (fr = 0.12), ϕ = 270°
Surge: fm = 2 Hz (fr = 0.48), ϕ = 270°