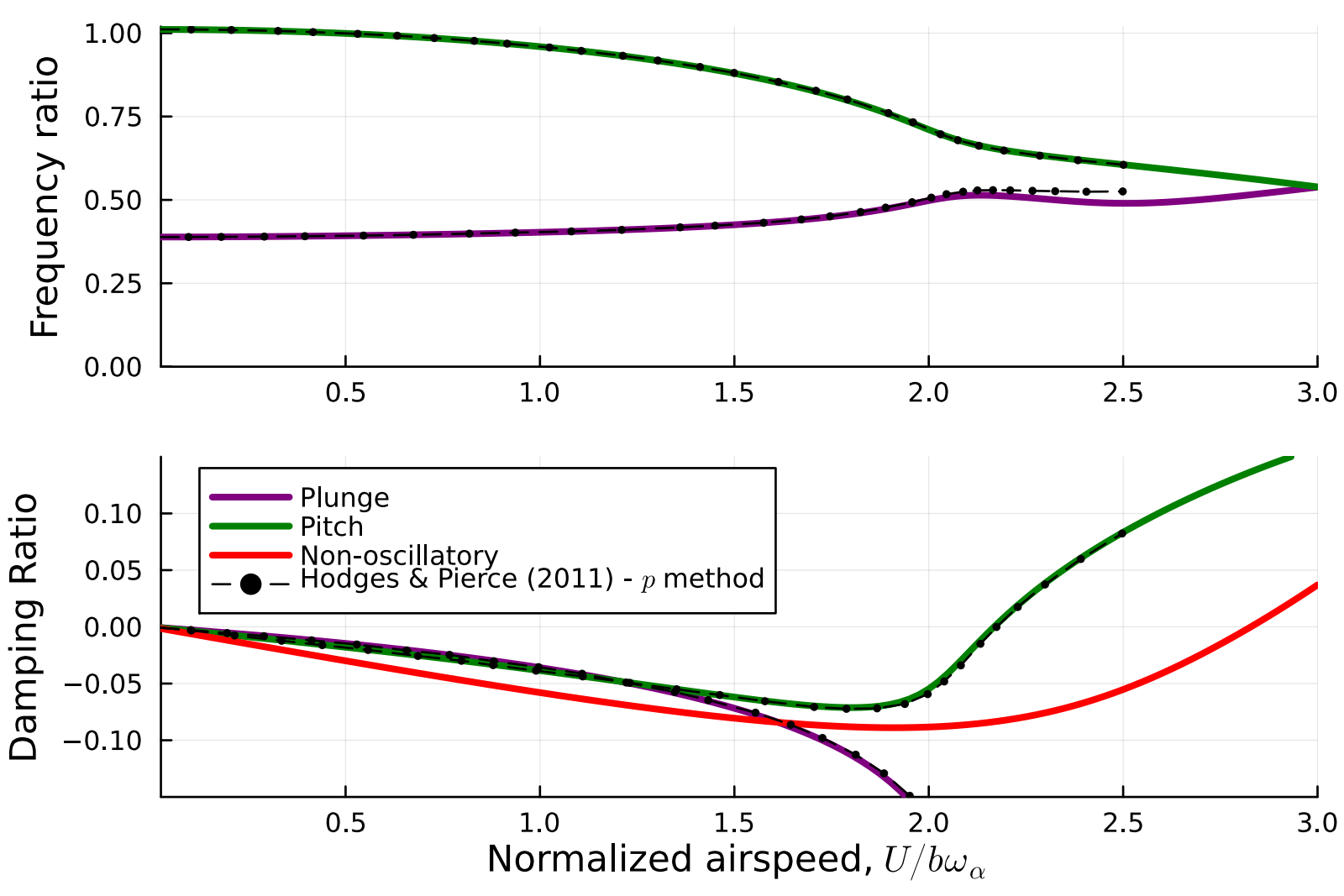

Frequency ratio
1.00
0.75
0.50
0.25
0.00
0.5
1.0
1.5
2.0
2.5
3.0
Damping Ratio
0.10
0.05
0.00
−0.05
−0.10
Plunge
Pitch
Non-oscillatory
Hodges & Pierce (2011) - p method
Normalized airspeed, $U/b\omega_\alpha$