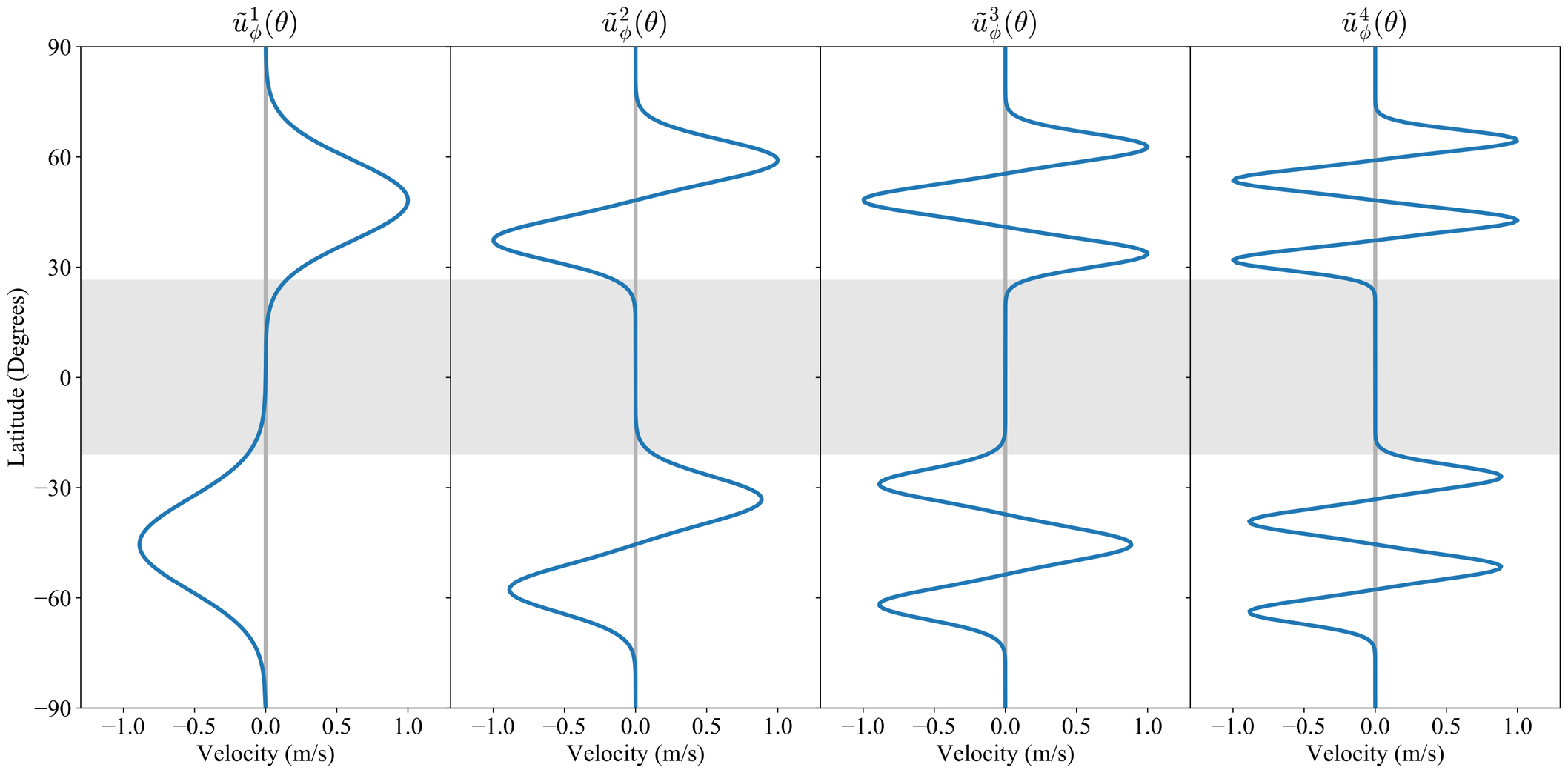
Basis Functions for Smooth Mid/High Latitude Zonal Winds
$\tilde{u}_\phi^1(\theta)$
$\tilde{u}_\phi^2(\theta)$
$\tilde{u}_\phi^3(\theta)$
$\tilde{u}_\phi^4(\theta)$
Latitude (Degrees)
90
60
30
0
−30
−60
−90
−1.0
−0.5
0.0
0.5
1.0
Velocity (m/s)