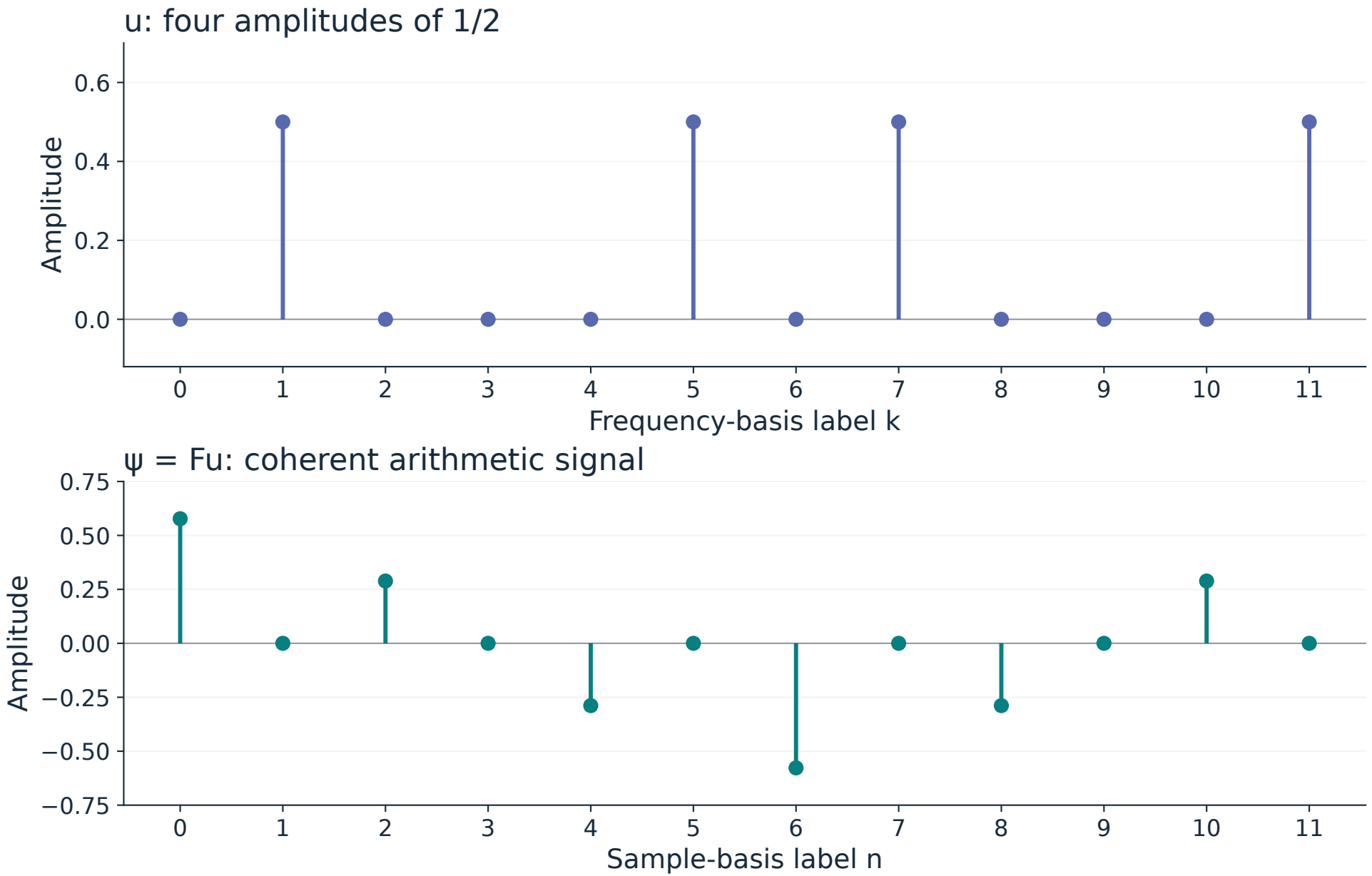

u: four amplitudes of 1/2
Amplitude
0.6
0.4
0.2
0.0
0
1
2
3
4
5
6
7
8
9
10
11
Frequency-basis label k
ψ = Fu: coherent arithmetic signal
Amplitude
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
0
1
2
3
4
5
6
7
8
9
10
11
Sample-basis label n