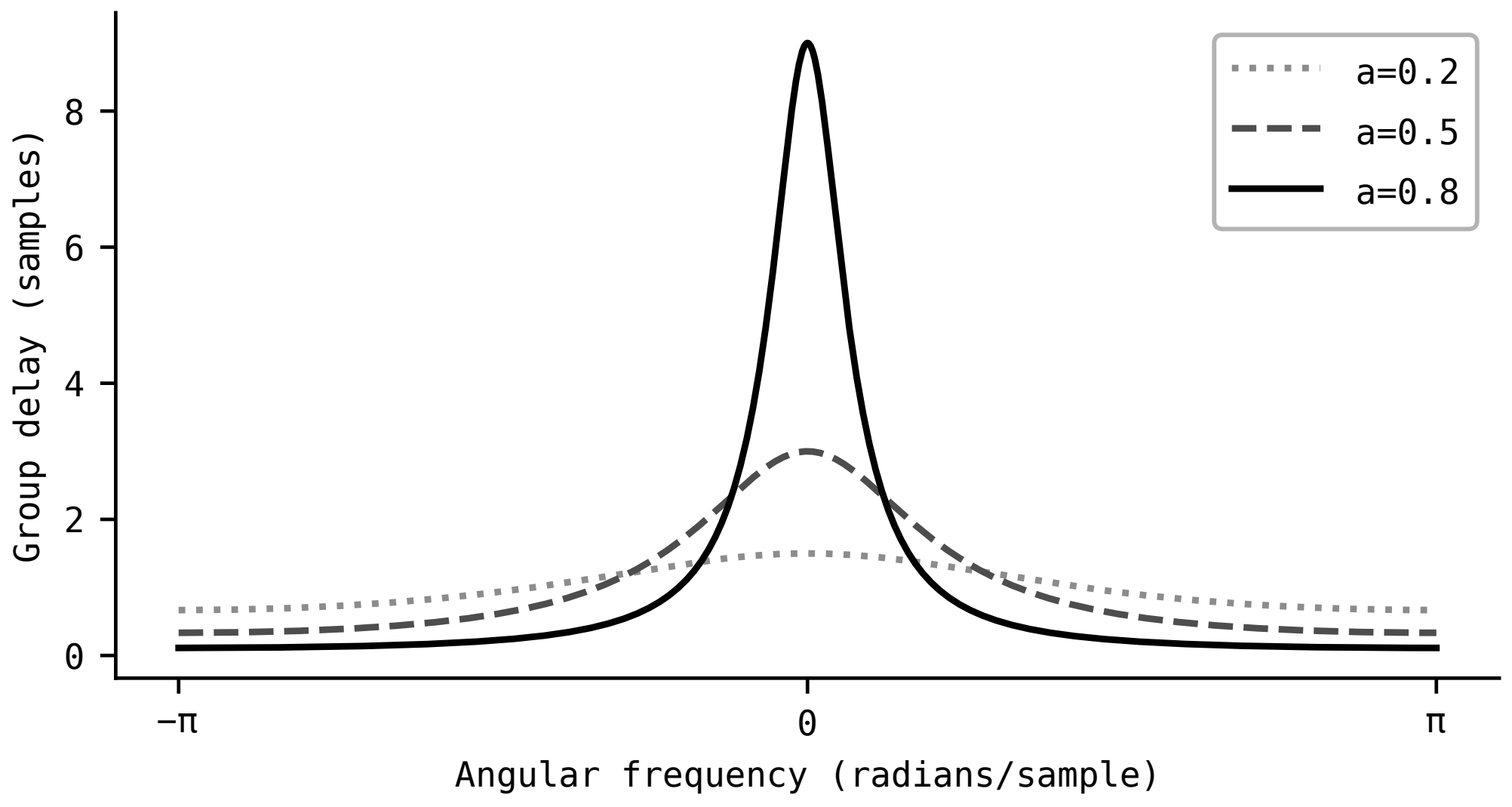

Group delay (samples)
0
2
4
6
8
−π
0
π
Angular frequency (radians/sample)
a=0.2
a=0.5
a=0.8