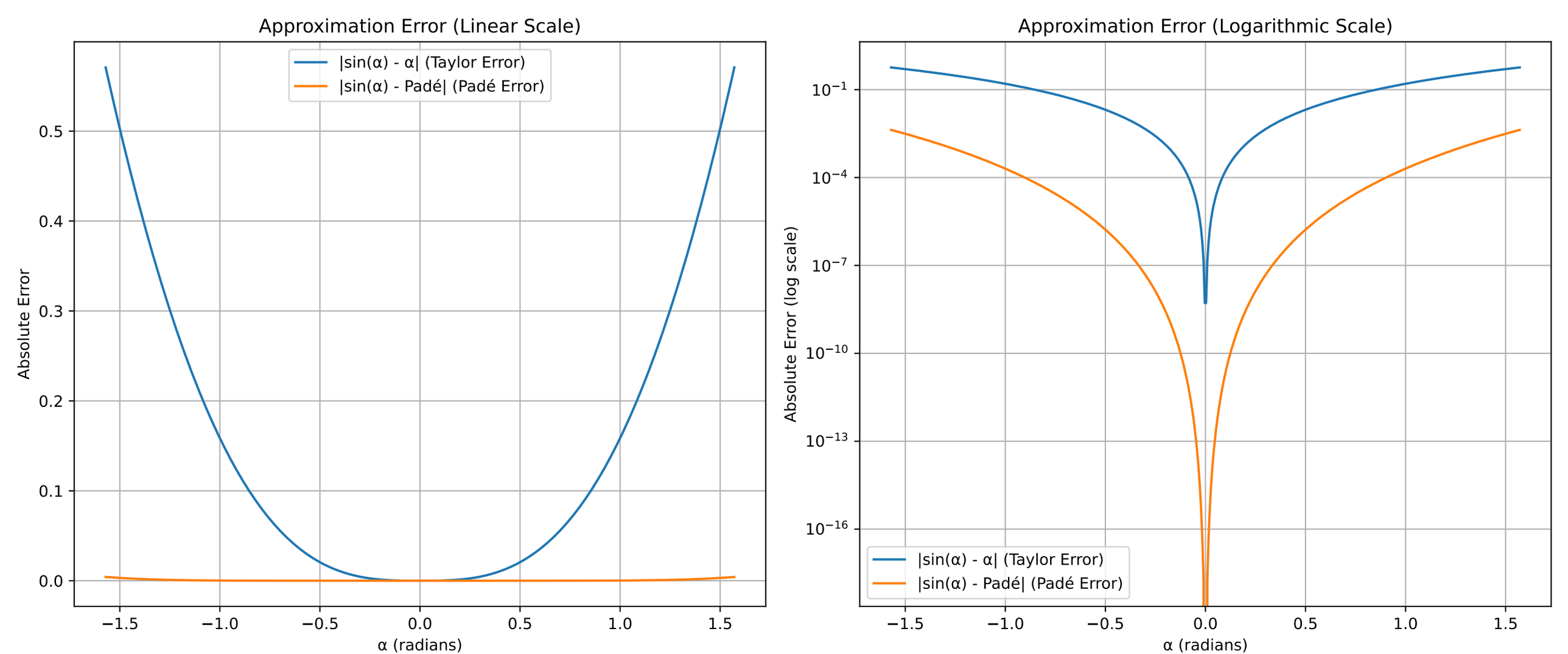
Approximation Error (Linear Scale)
|sin(α) - α| (Taylor Error)
|sin(α) - Padé| (Padé Error)
Absolute Error
0.0
0.1
0.2
0.3
0.4
0.5
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
α (radians)
Approximation Error (Logarithmic Scale)
Absolute Error (log scale)
10^{-1}
10^{-4}
10^{-7}
10^{-10}
10^{-13}
10^{-16}
|sin(α) - α| (Taylor Error)
|sin(α) - Padé| (Padé Error)
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
α (radians)