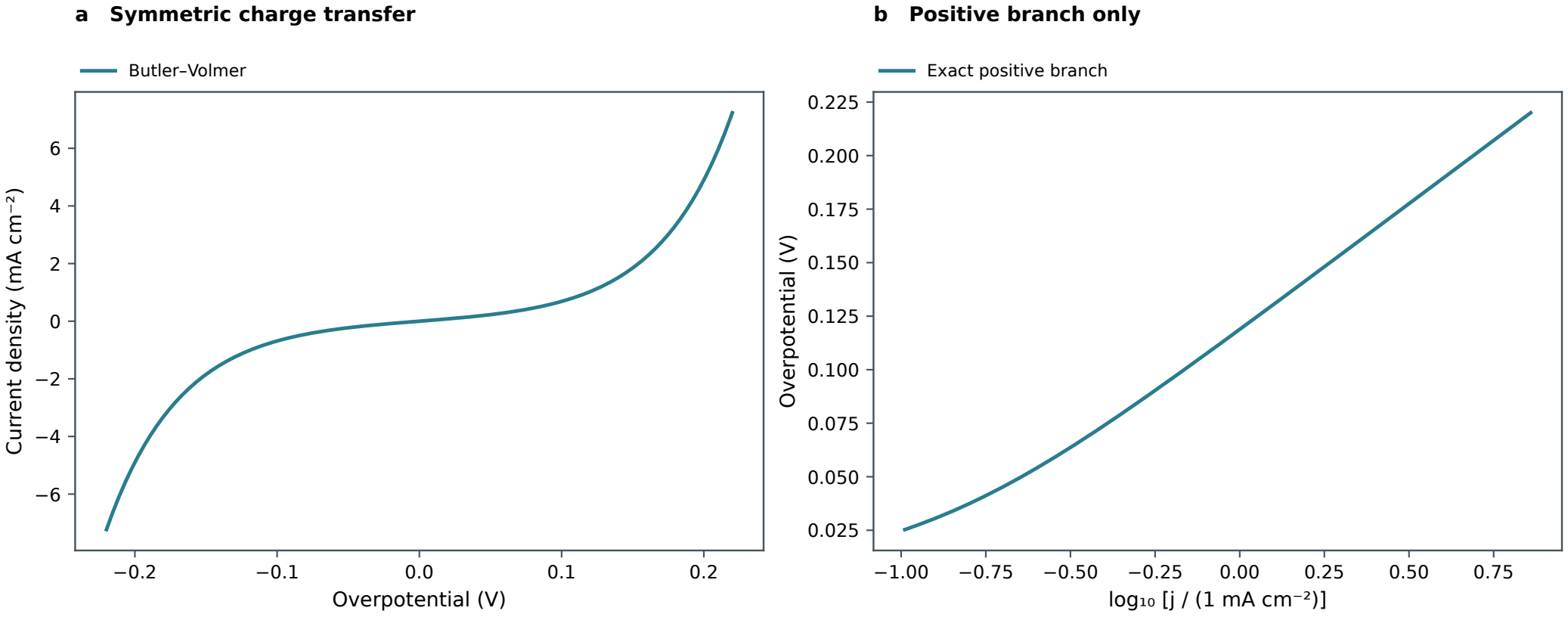

a Symmetric charge transfer
Butler–Volmer
Current density (mA cm⁻²)
6
4
2
0
−2
−4
−6
−0.2
−0.1
0.0
0.1
0.2
Overpotential (V)
b Positive branch only
Exact positive branch
Overpotential (V)
0.225
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
log₁₀ [j / (1 mA cm⁻²)]