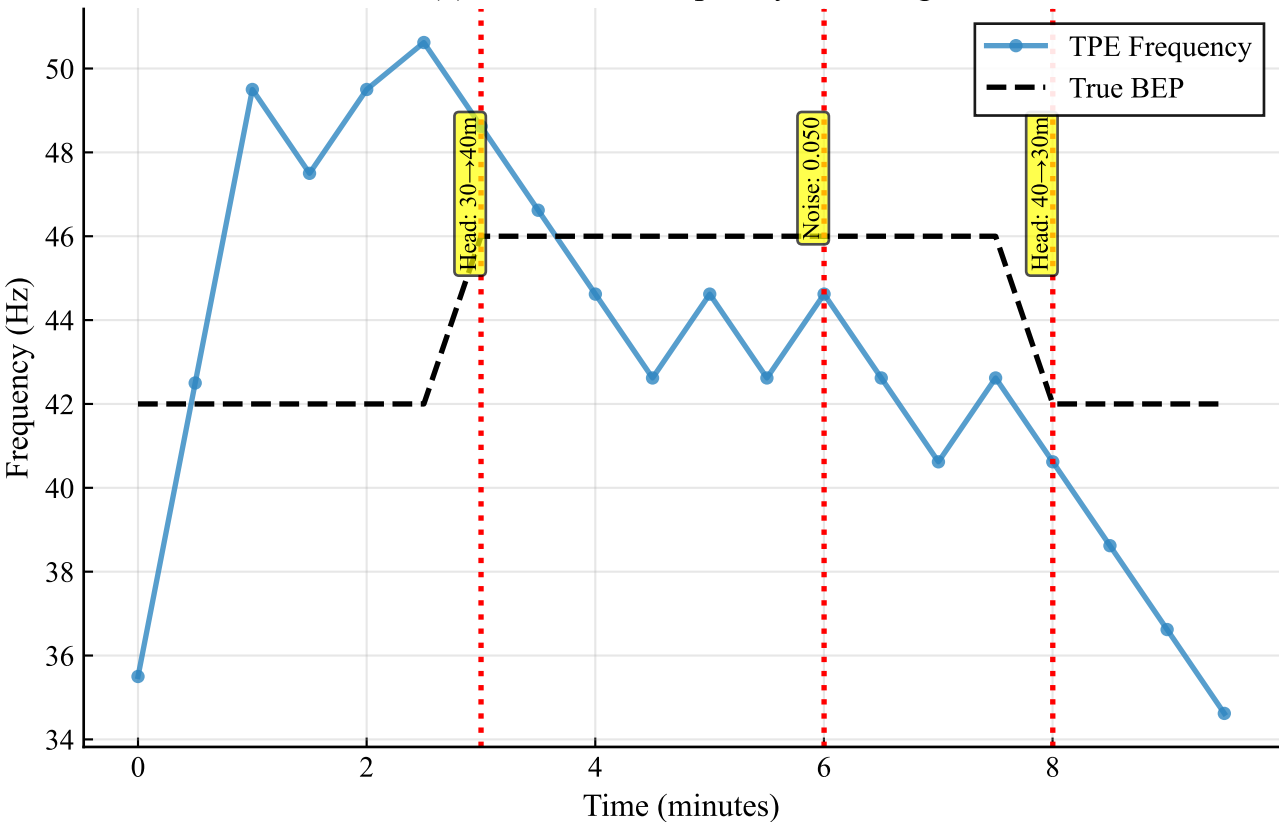
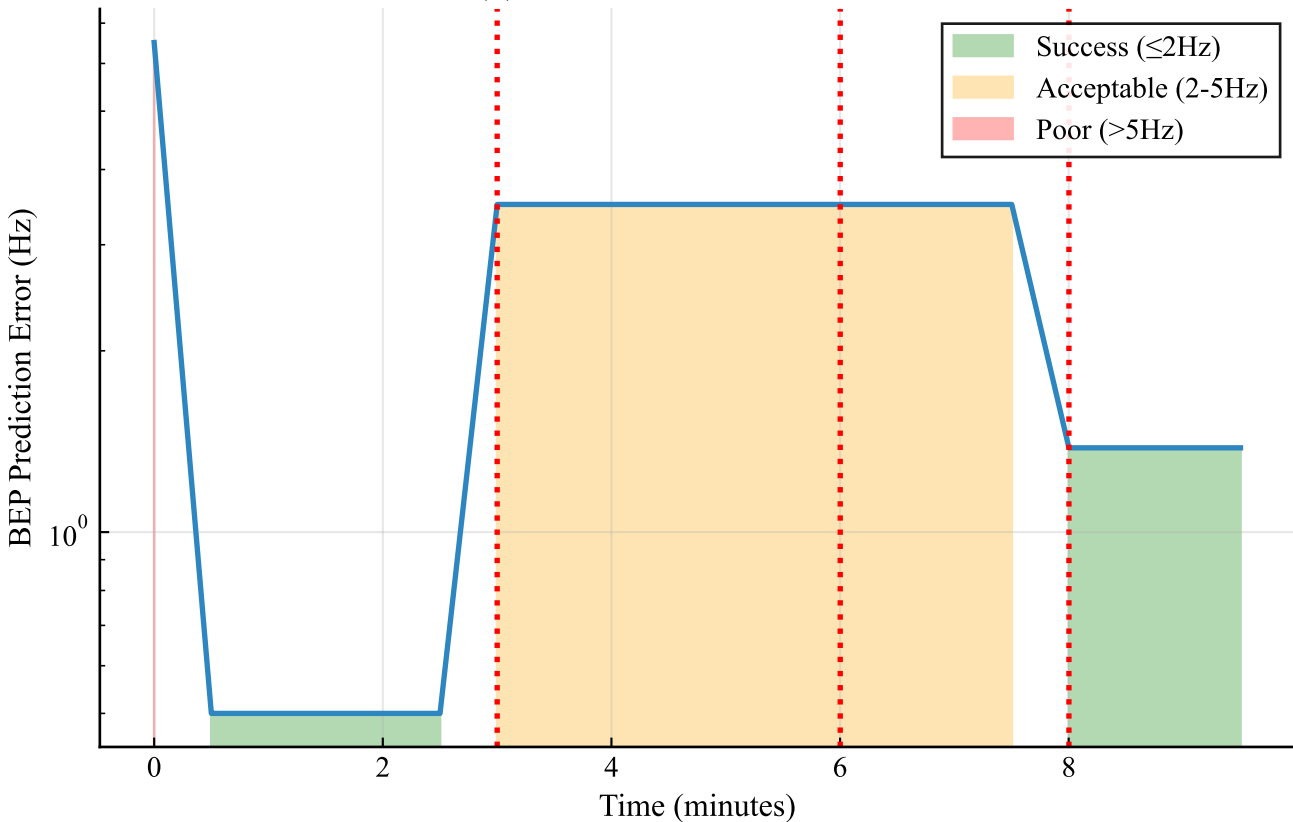


# Real-time BEP Tracking Implementation Demo

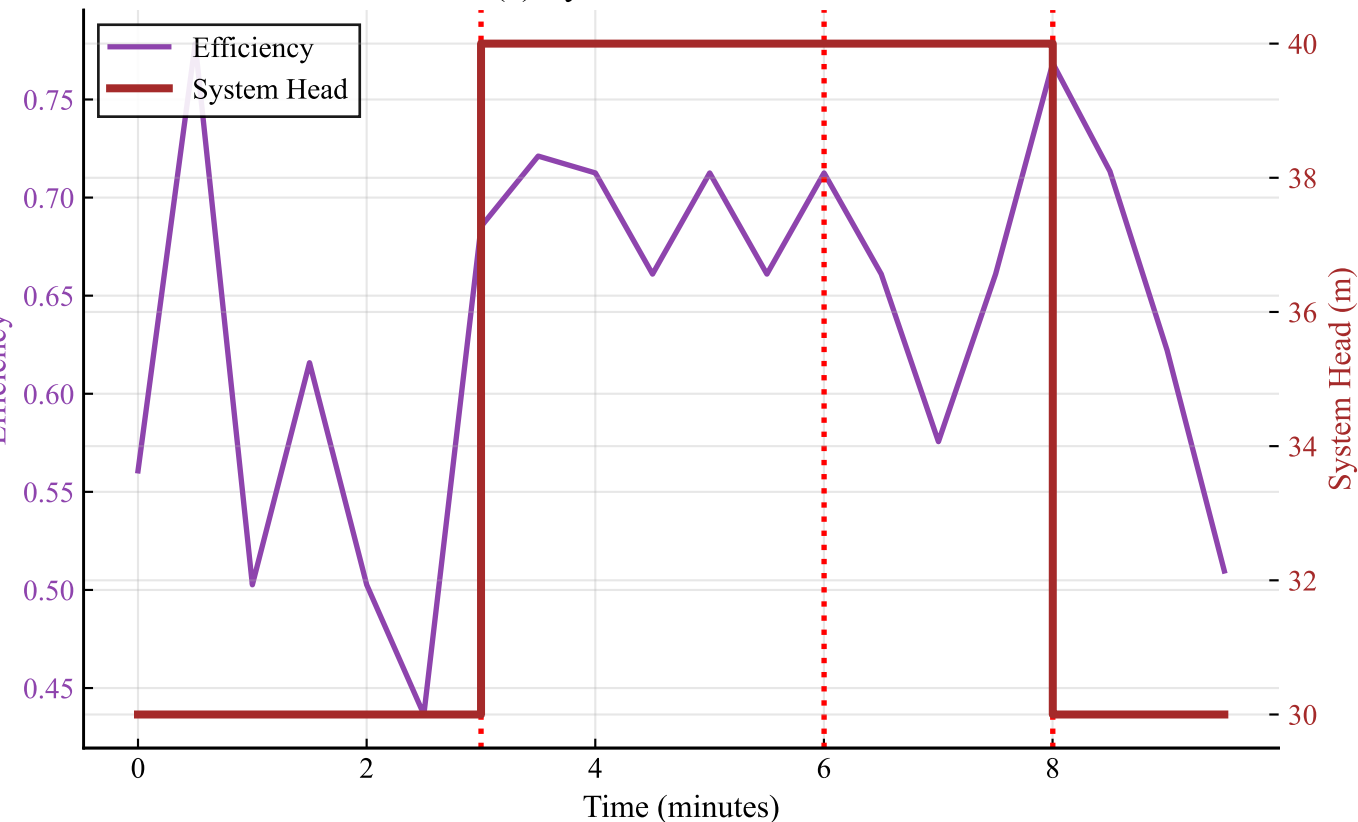
(a) Real-time Frequency Tracking



(b) Real-time Error Evolution



(c) System State Monitor



## REAL-TIME PERFORMANCE DASHBOARD

Duration: 10.0 minutes  
Total Iterations: 20  
Update Rate: 2.0 iter/min

### ACCURACY METRICS

Final Error: 1.38 Hz  
Mean Error: 2.48 Hz  
Error Improvement: 5.12 Hz

### ADAPTATION PERFORMANCE

Disturbances Handled: 3  
Avg Adaptation Time: 150.0 iter

### OVERALL STATUS

EXCELLENT - Ready for deployment

EXCELLENT