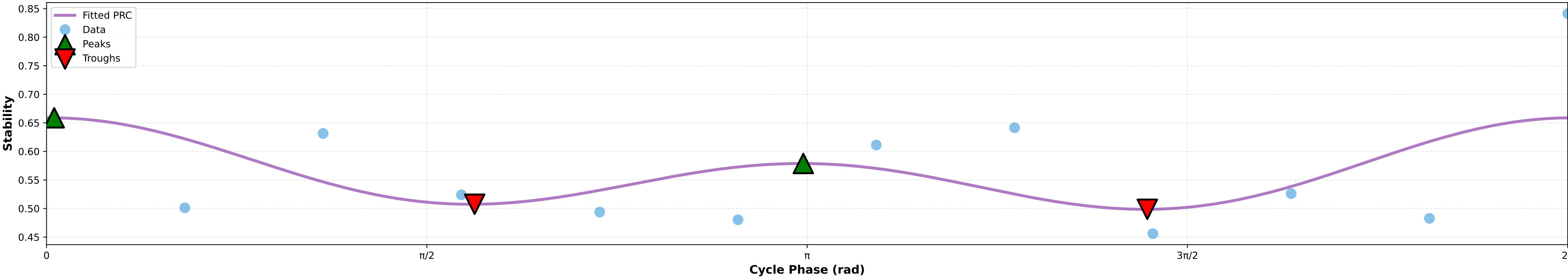


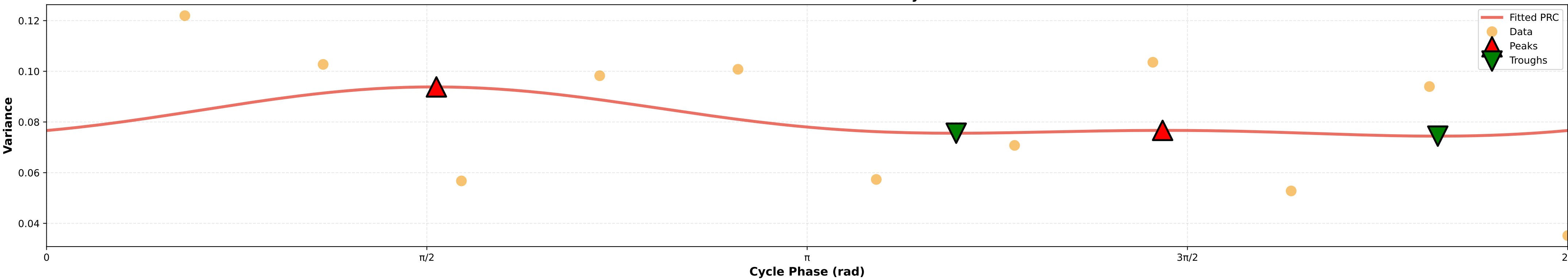
# Phase Response Curves & Perturbation Analysis

## Evidence for Phase-Dependent Dynamics

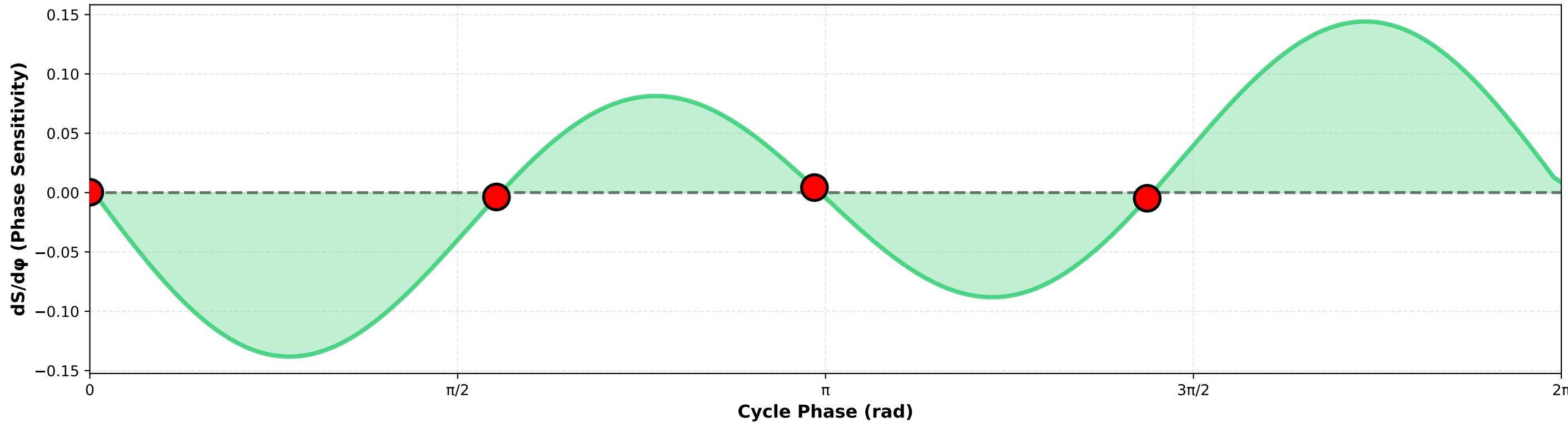
(A) Stability Phase Response Curve (PRC)  
Periodic Response to Cycle Phase



(B) Variance Phase Response Curve (PRC)  
Anti-Correlated with Stability



(C) Phase Sensitivity  
Rate of Change of Stability with Phase



PRC STATISTICS:  
STABILITY PRC:  
Amplitude: 0.0402  
Phase shift: -0.1114 rad  
2nd harmonic: 0.0561  
Mean: 0.5627  
Peaks: 2  
Troughs: 2  
INTERPRETATION:  
□ Weak periodic  
✓ Phase-locked

(E) Perturbation Response Analysis  
System Response to Phase-Specific Perturbations

