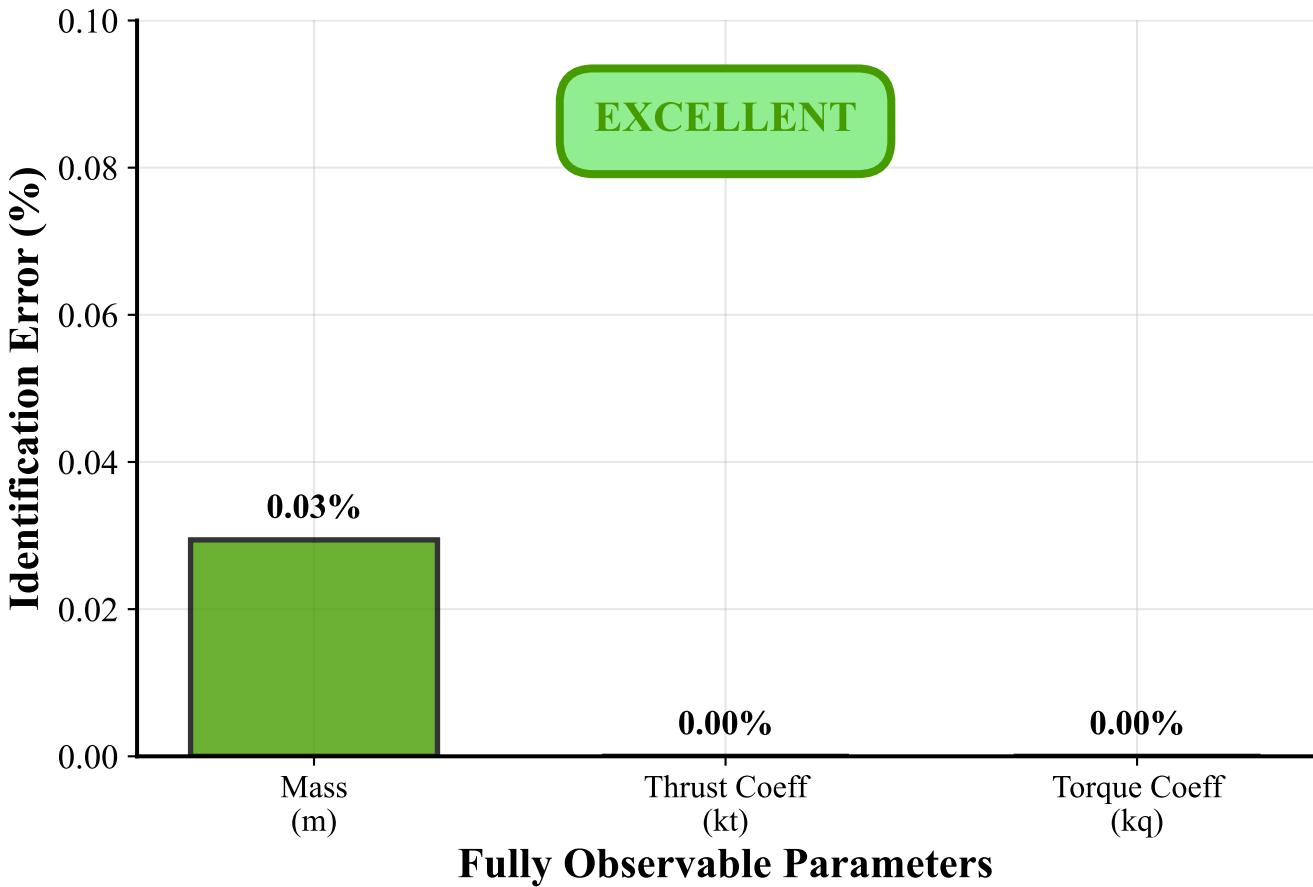


Parameter Identification Performance: Optimized PINN v2

**Group 1: Perfect Identification
(< 0.1% error)**



**Group 2: Observability-Limited
(~5% error - fundamental limit)**

