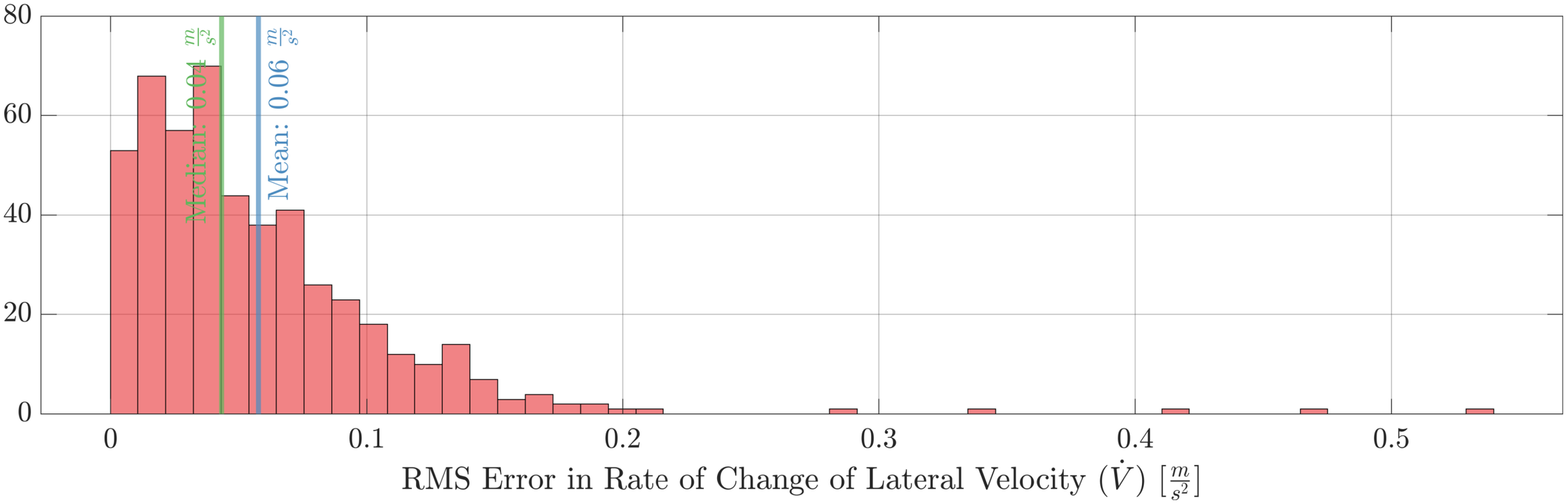
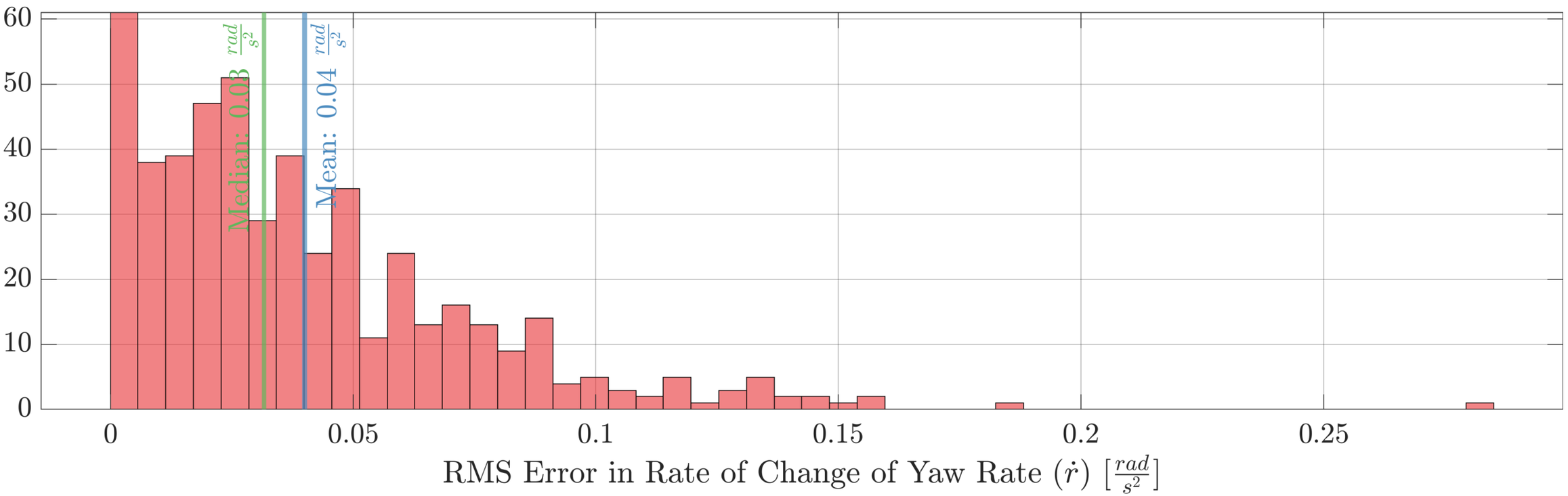
Histogram of RMS Error in Parameters Estimated via Least-Squares over 499 Simulations

$m = 2500$ kg, $I = 5445\ kg{\cdot}m^2$, $a = 1.441$ m, $b = 1.536$ m