

REFERENCES

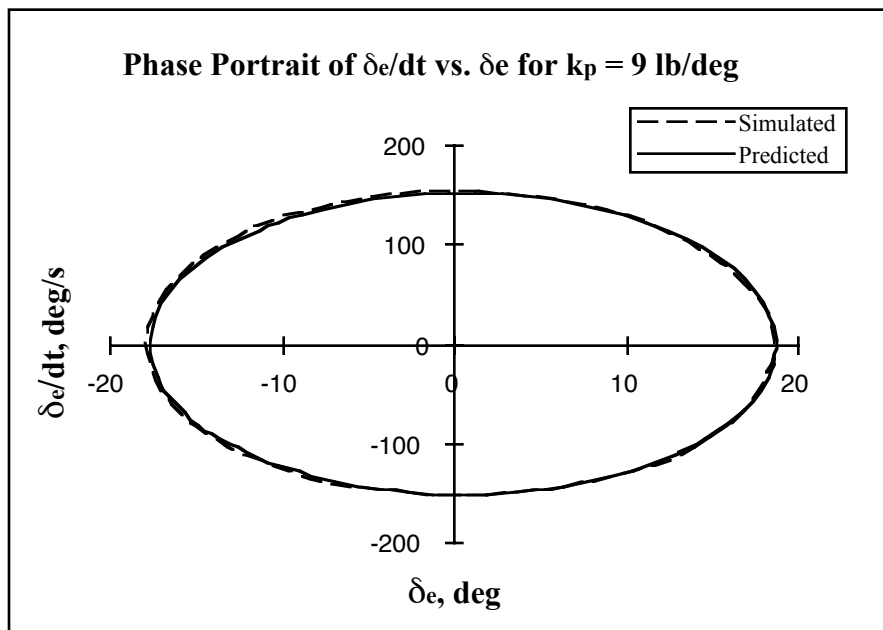
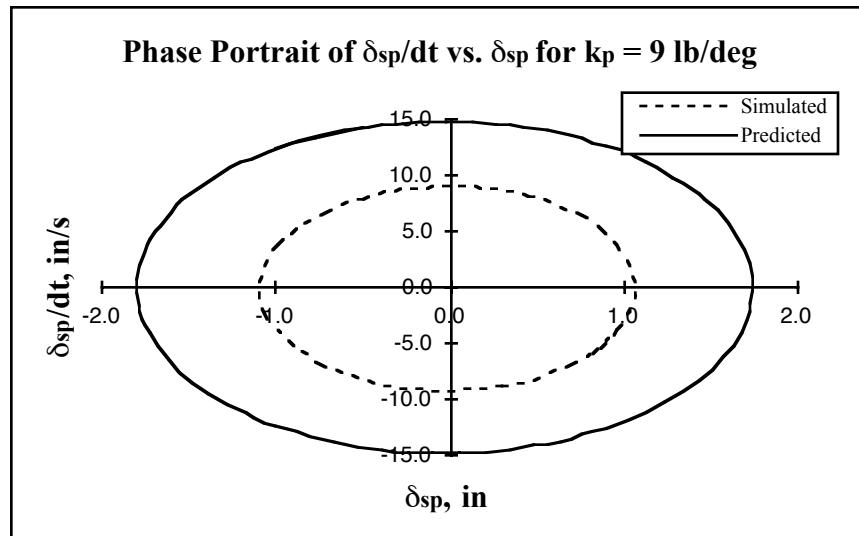
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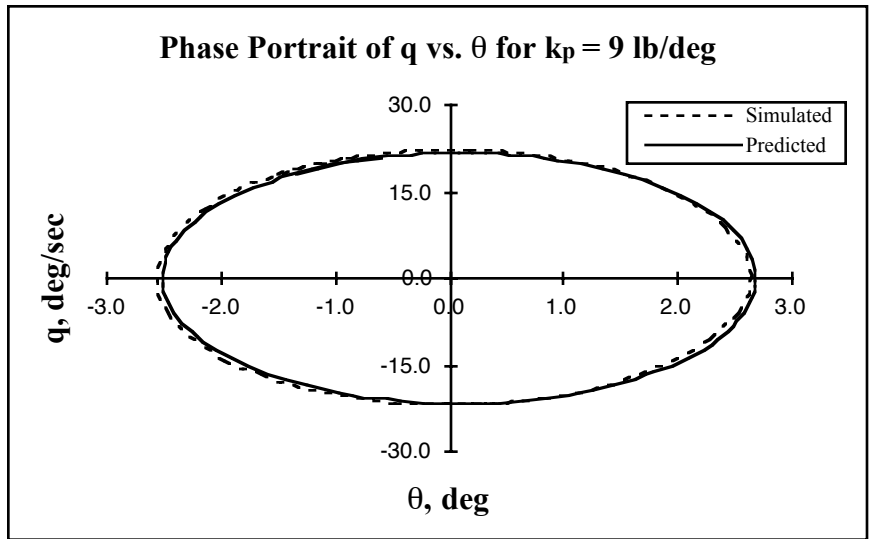
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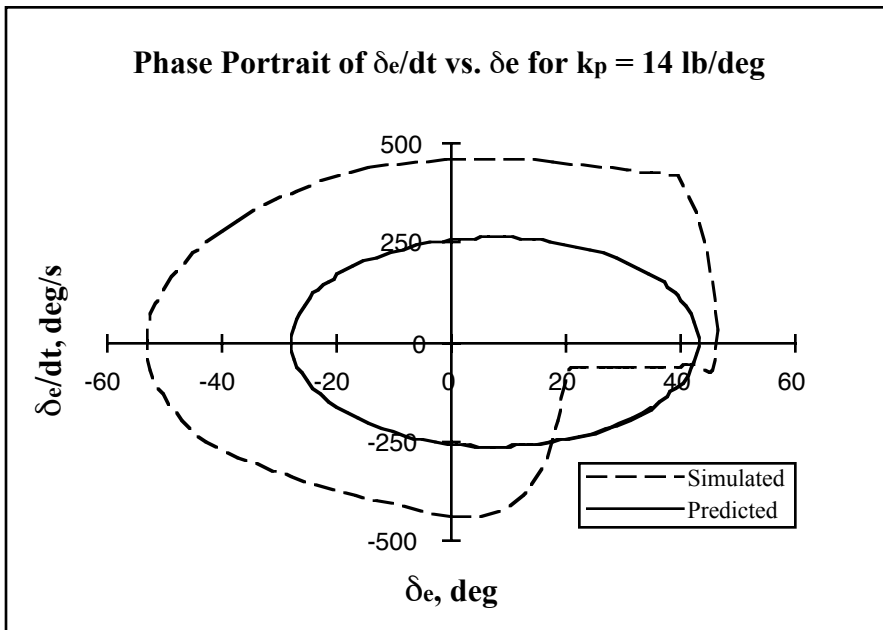
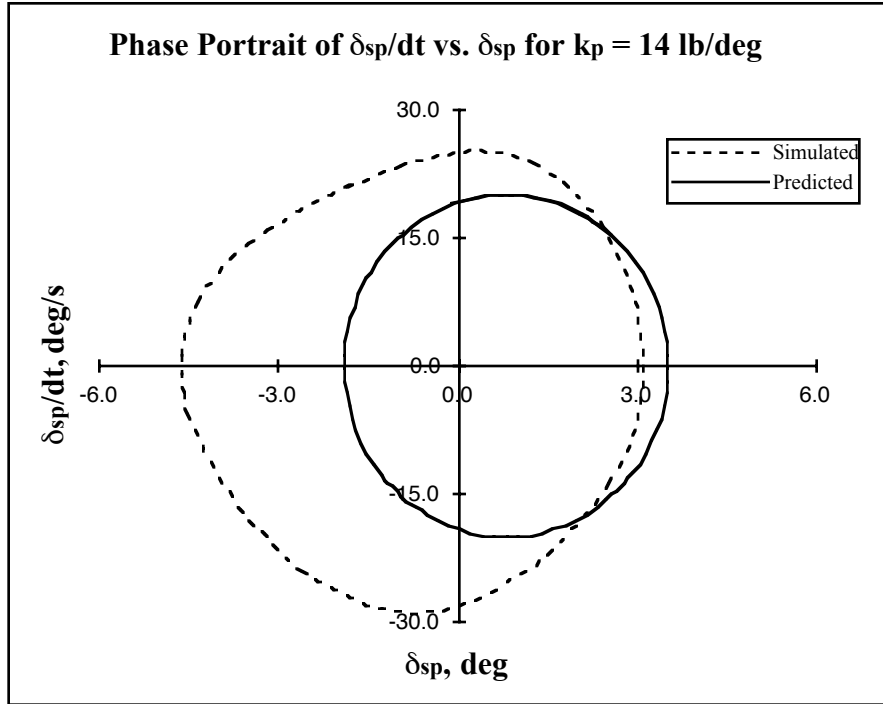
APPENDIX

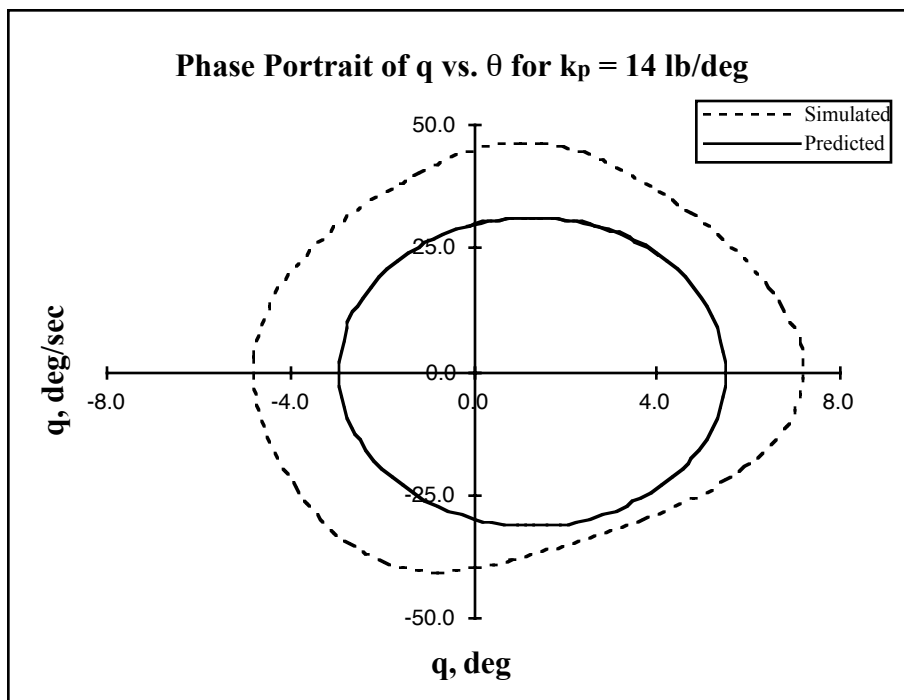
Phase portraits of Simulated and Predicted oscillations for NT-33A with stick and elevator limiting as defined in Section 4.2 for $k_p = 9 \text{ lb/deg}$:



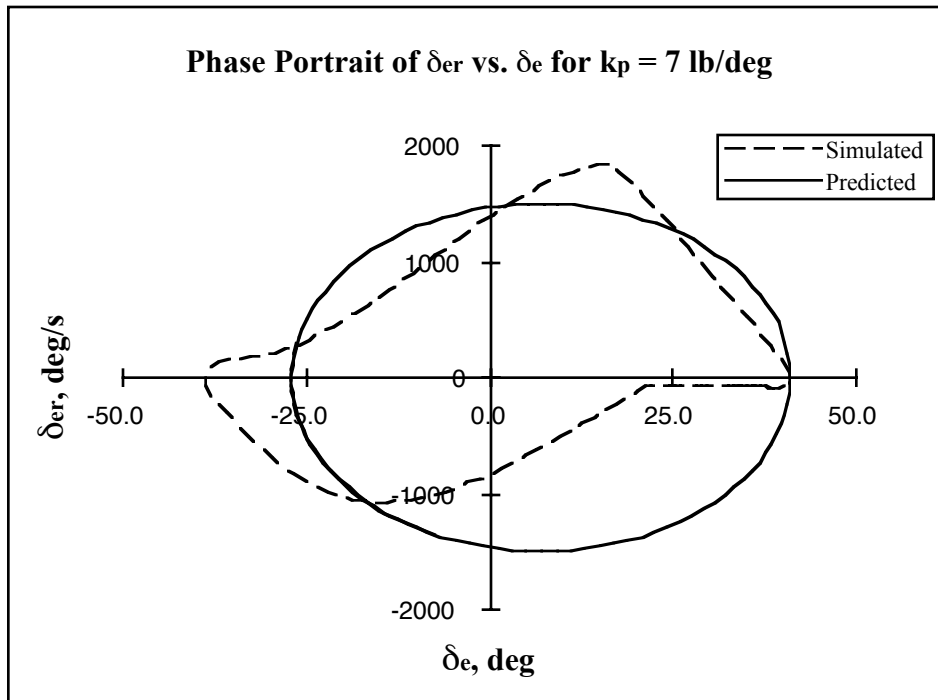
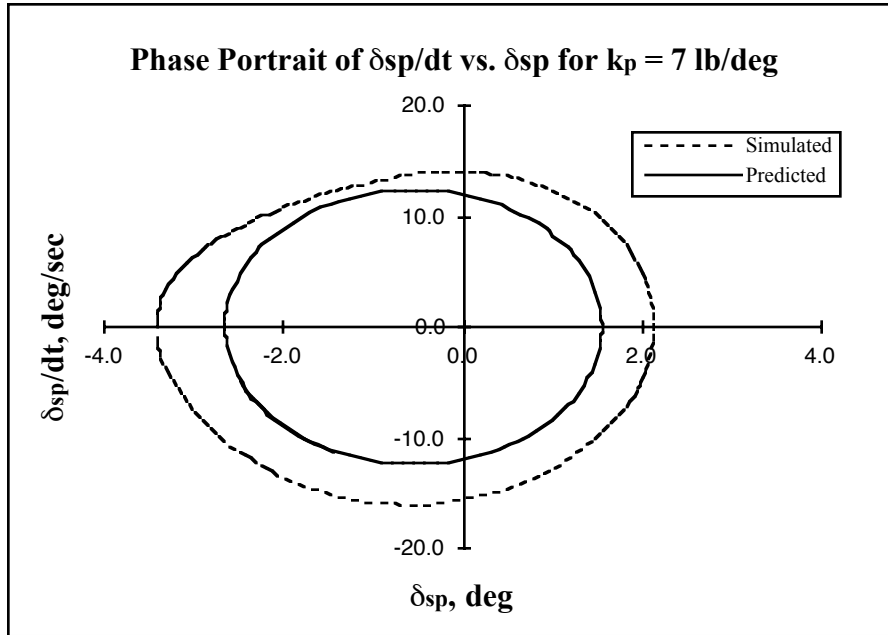


Phase portraits of Simulated and Predicted oscillations for NT-33A with stick and elevator limiting as defined in Section 4.2 for $k_p = 14 \text{ lb/deg}$:

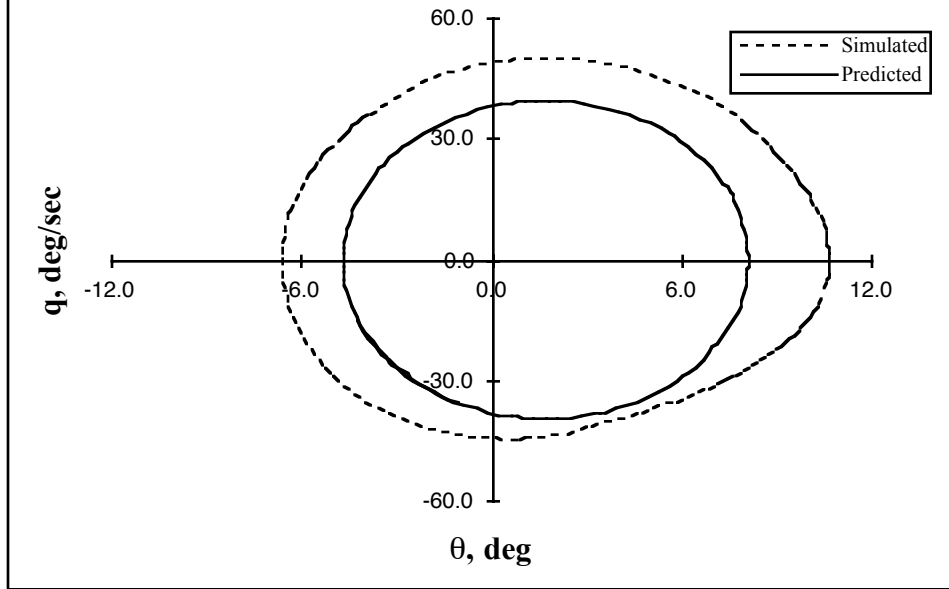




Phase portraits of Simulated and Predicted oscillations for NT-33A with stick, elevator, and elevator rate limiting as defined in Section 4.3 for $k_p = 7 \text{ lb/deg}$:



Phase Portrait of q vs. θ for $k_p = 7$ lb/deg



VITA

Joel Emanuel Lamendola was born in the New World colony of Sommerville, New Jersey on a sunny August day in 1973. He spent his entire childhood in the posh township of Tewksbury, where he became learned in mathematics and science. In 1991, when he became of age, Joel ventured south past the Mason Dixon Line to attend the Virginia Polytechnic Institute and State University. It was here that he was schooled in the ways of aerospace engineering. Seven rigorous years later Joel finished this work,