

Appendix B

*Graphs of simulation runs
showing effect of
drag and magnus*

The legend in the upper right of each graph encodes the simulation parameters as follows:

The 1st two digits are the launch speed in ft/sec

The 2nd two digits are the launch angle in degrees

The 3rd two digits are the normalized drag coefficient¹

The last two digits are the normalized magnus coefficient²

$$^1 \text{ normalized drag coefficient} = 1000 \cdot \left(\frac{1}{2}\right) \cdot \rho \cdot A \cdot C_D / M$$

$$^2 \text{ normalized magnus coefficient} = 1000 \cdot \left(\frac{1}{2}\right) \cdot \rho \cdot A \cdot C_L / M$$



















