Lagrange Theory References (used for MATLAB Lagrange Optimizer):

<http://users.wpi.edu/~pwdavis/Courses/MA1024B10/1024_Lagrange_multipliers.pdf>

<https://www.cmi.ac.in/~madhavan/courses/dmml2018/literature/Lagrangian_Methods_for_Constrained_Optimization.pdf>

<http://people.duke.edu/~hpgavin/cee201/LagrangeMultipliers.pdf>

<https://www3.nd.edu/~jstiver/FIN360/Constrained%20Optimization.pdf>

<http://people.duke.edu/~hpgavin/cee201/LagrangeMultipliers.pdf>

Potentially Useful:

<http://www1.maths.leeds.ac.uk/~cajones/math2640/notes4.pdf>

Rocket Stability Supplementary Documents (Barrowman):

<http://www.rockets4schools.org/images/Rocket.Stability.Flight.pdf>

Centre of Pressure Calculation References:

<http://www2.estesrockets.com/pdf/TIR-33_Center_of_Pressure.pdf>

<https://www.apogeerockets.com/downloads/PDFs/barrowman_report.pdf>

Matlab Optimization Toolbox: fmincon

[REALLY useful]

<http://cambridgerocket.sourceforge.net/AerodynamicCoefficients.pdf>

* Dynamic Parameters
  + Centre of mass/ moment of inertia
    - Cone
    - Tube
    - Block
    - Total centre of mass and moments of inertia
  + Thrust Damping
* Aerodynamic Parameters
  + Force components
  + Equations for estimating aerodynamic coefficients
    - Normal force (Barrowman w/ correction for alpha (body lift) and compressible flow)
    - Drag Force
      * Body Drag
      * Base Drag
      * Fin Drag
      * Interference Drag
      * Viscous Friction
      * = Total zero alpha drag
      * Correction for alpha (additional drag)
    - Compressible Flow Correction
* <https://www.scribd.com/document/153854727/Active-Guidance-and-Dynamic-Flight-Mechanics-for-Model-Rockets#download&from_embed>
  + Paid site for source reference for 0.8<Ma<1.1 compressible assumption