1. In addition, we conducted some improvements on our model to make it direct and clear. First, we used multiple variables to describe our model, which prevented interference of irrelevant numeric coefficients. We also avoided excessive intermediate variables with algebraic simplifications in our model. For example, in the final conclusive equation, constants are adopted to replace those invariant values with respect to a specific type of aircraft. Finally, this part lays the foundation for the linear properties that will be extensively utilized in the future.