

## ASEN 2012: Additional Verification Plots for Project 2

Below, you will find three plots of some useful quantities relevant to your bottle rocket's flight. These should provide a helpful reference as you work through and debug your project 2 code. These plots were all generated using the project 2 verification case provided to you ("VerificationCaseForProject2.pdf" on Canvas).

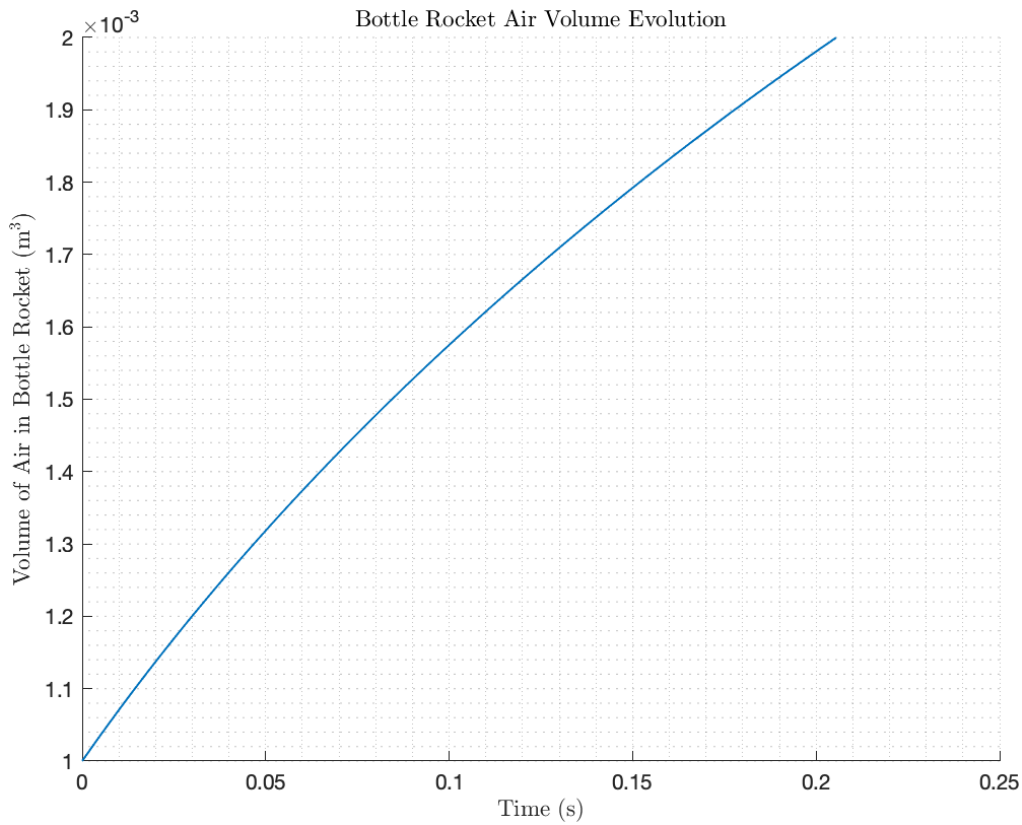


Figure 1: A plot of the volume of air inside the bottle rocket for phase 1 of the rocket's flight.

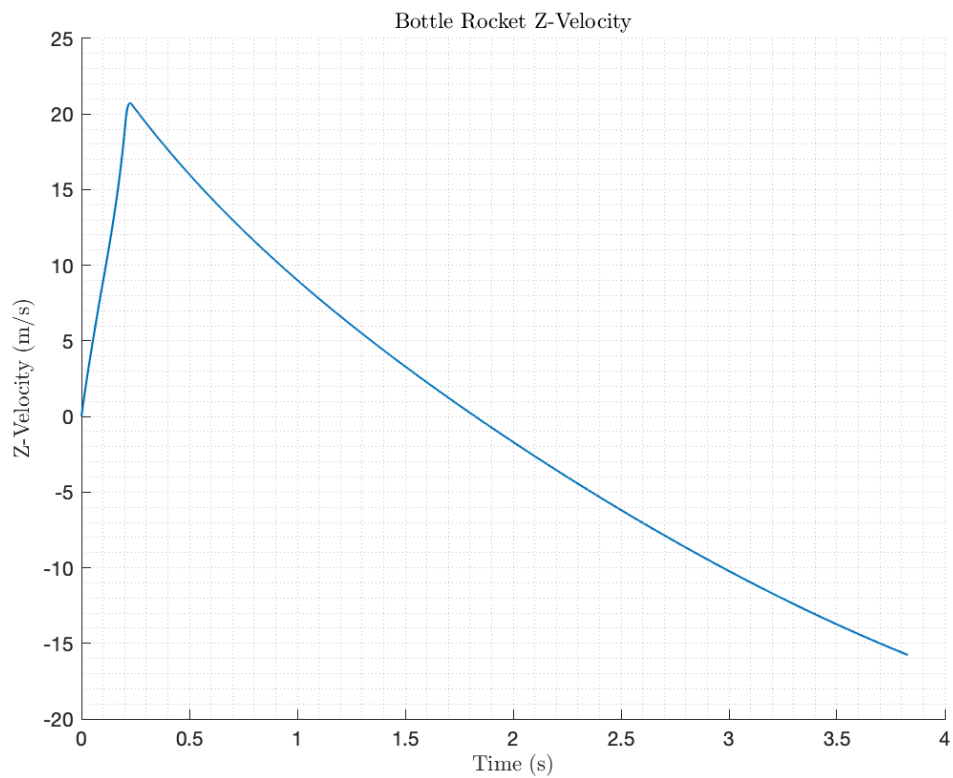


Figure 2: A plot of the vertical (up/down) velocity of the bottle rocket, from the time it launches to the time it hits the ground.

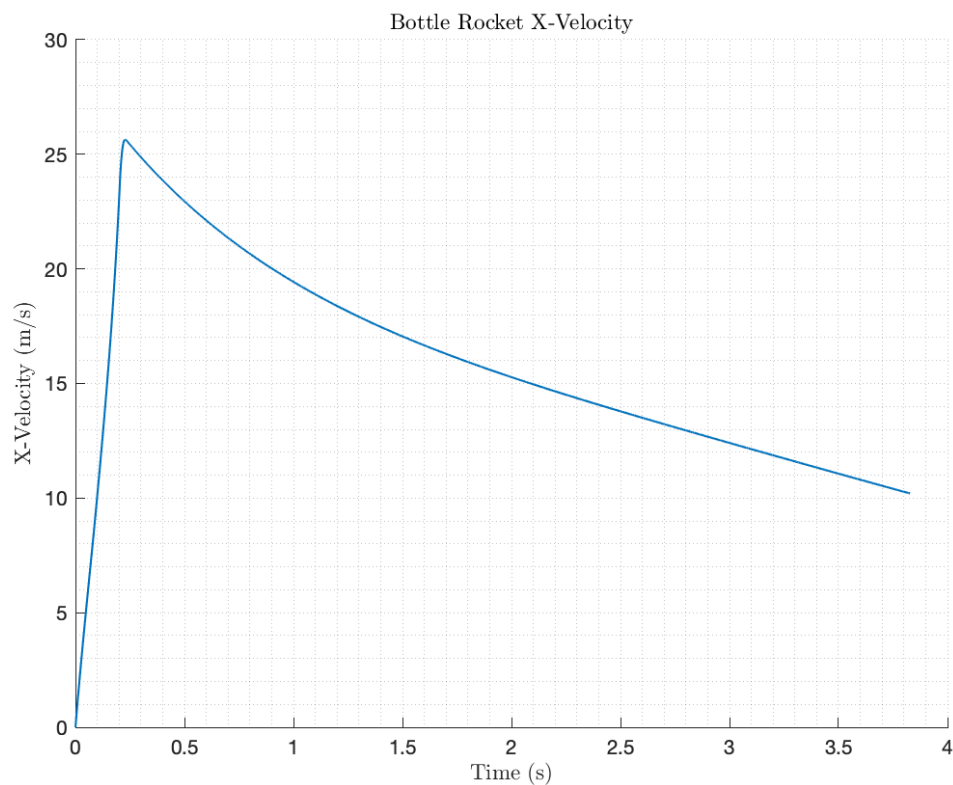


Figure 3: A plot of the horizontal (left/right on a graph of trajectory) velocity of the bottle rocket, from the time it launches to the time it hits the ground.