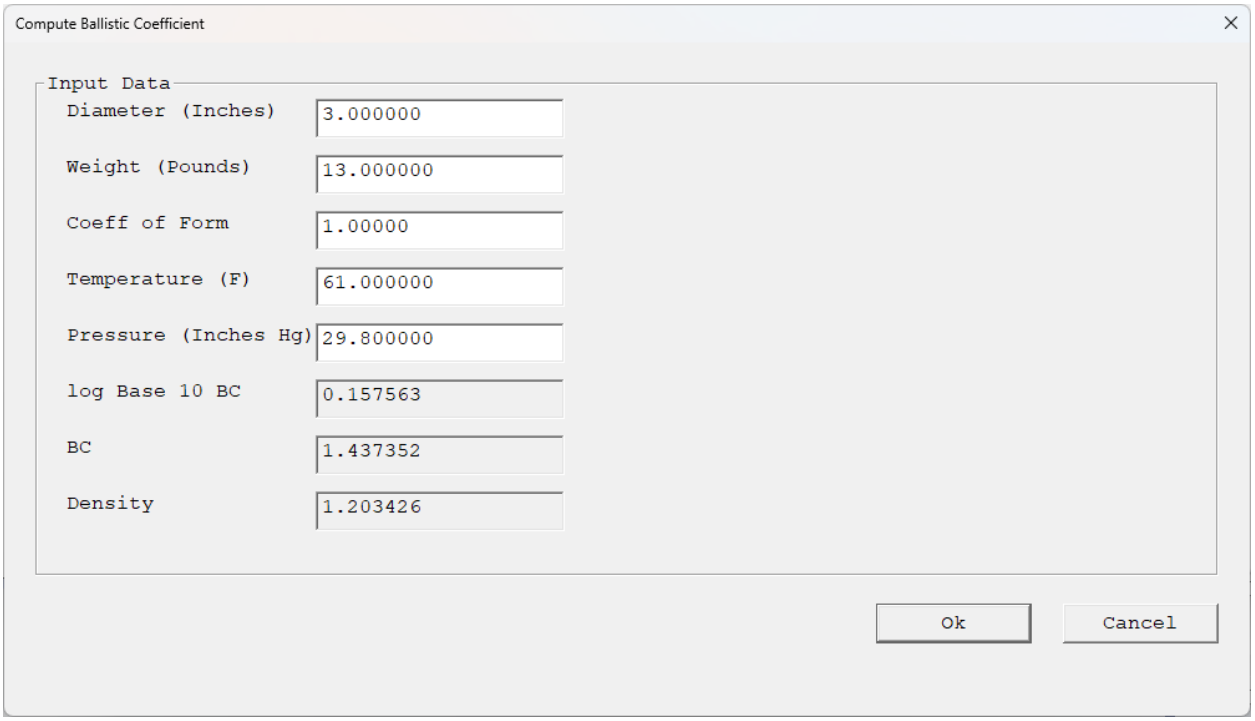
Blog Entry © Friday, May 30, 2025, Ballistic Coefficient Exercises from Exterior ballistics, 1935 Written by Ernest Edward Herrmann, C/C++ Code by James Pate Williams, Jr., BA, BS, Master of Software Engineering, PhD Computer Science

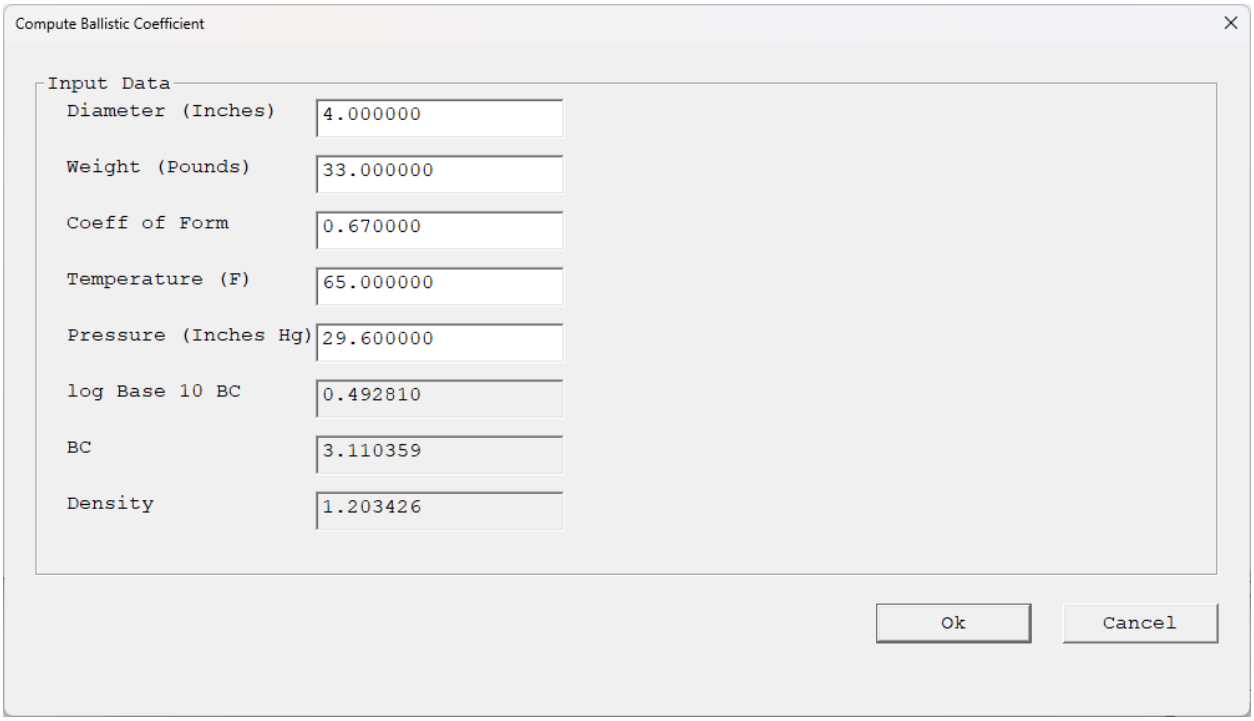
Exercises 1 Page 41

The textual hand computations are by Lieutenant Commander Ernest Edward Herrmann. Those calculations were made using logarithms and thus differ from my computer calculations. See the percentage differences at the end of the eight problems.

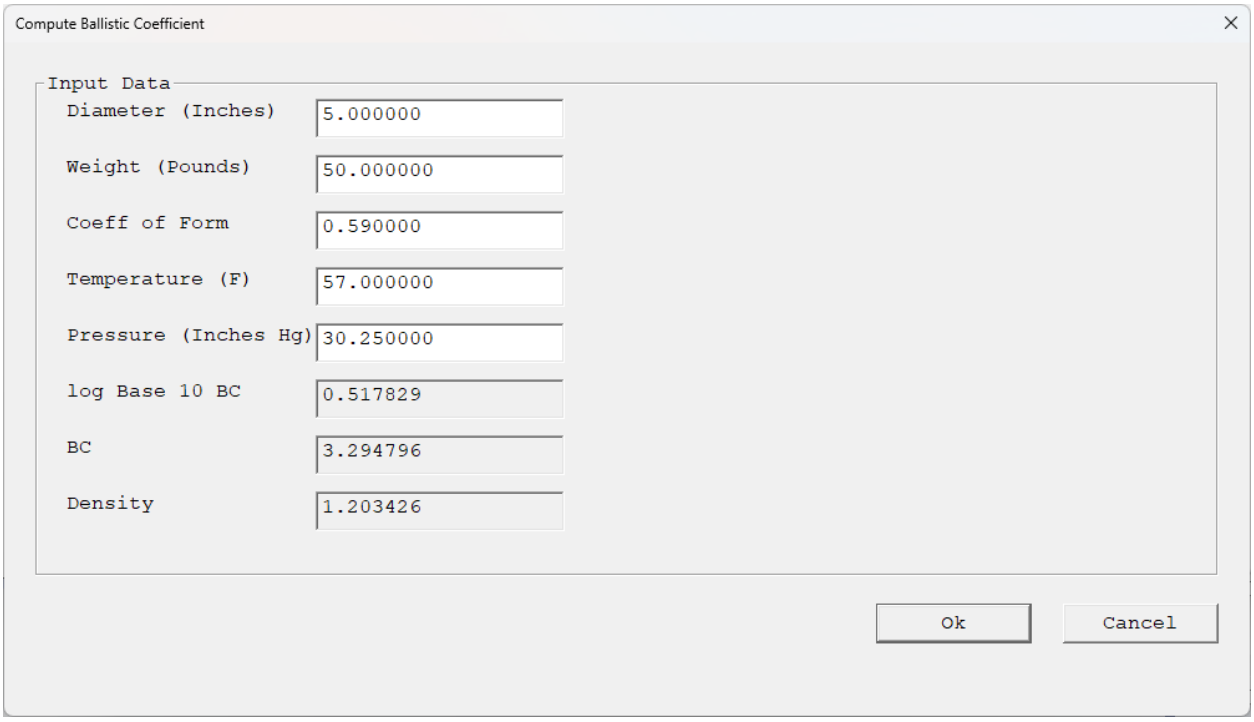
Problem 1 log 10 BC = 0.15710



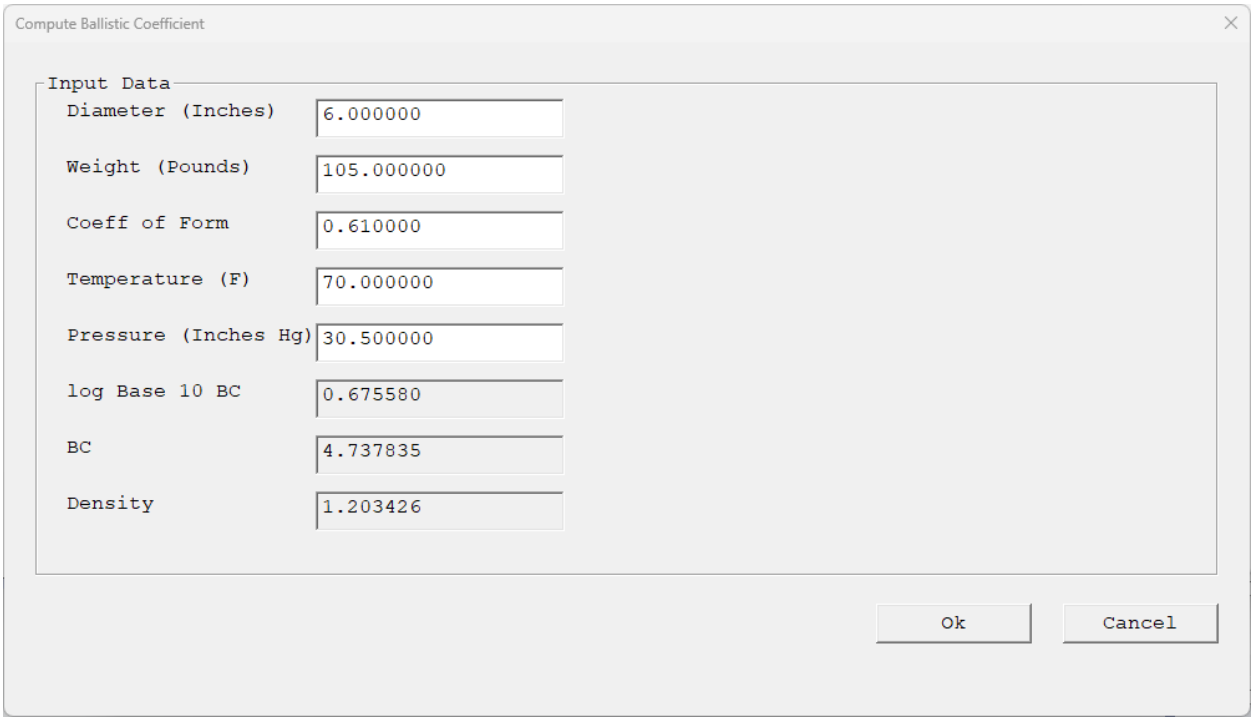
Problem 2 log 10 BC = 0.49268



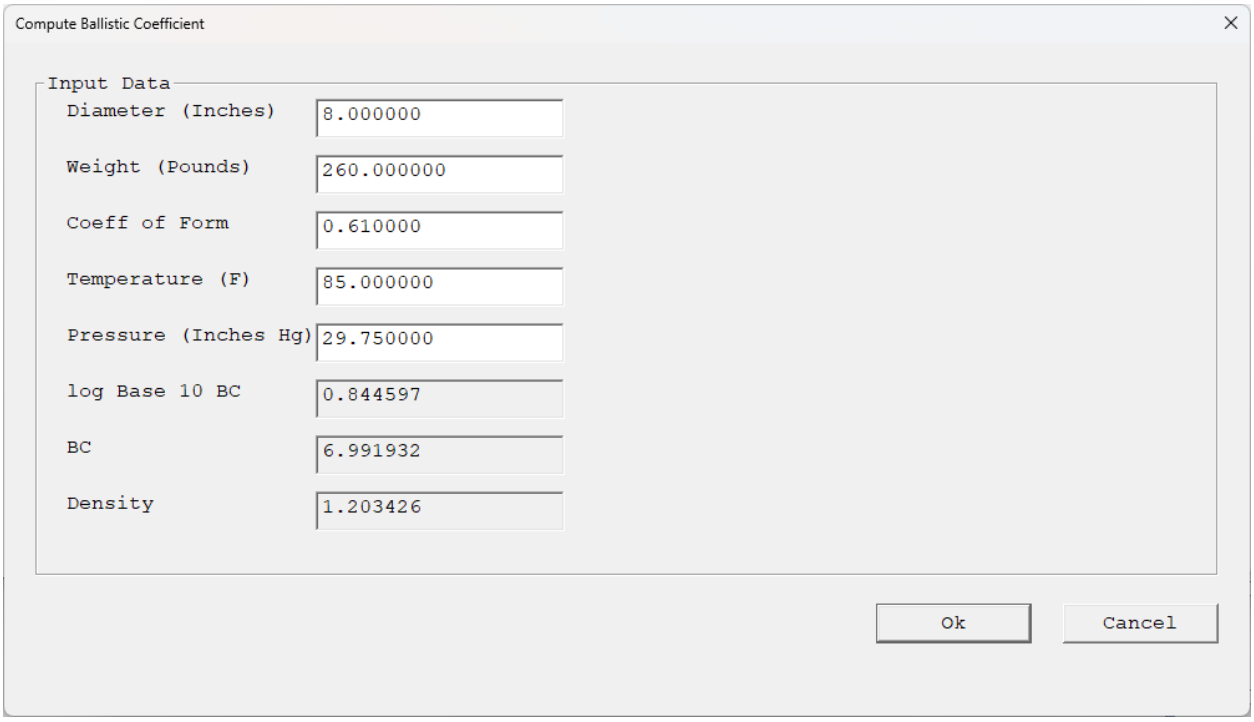
Problem 3 log 10 BC = 0.51734



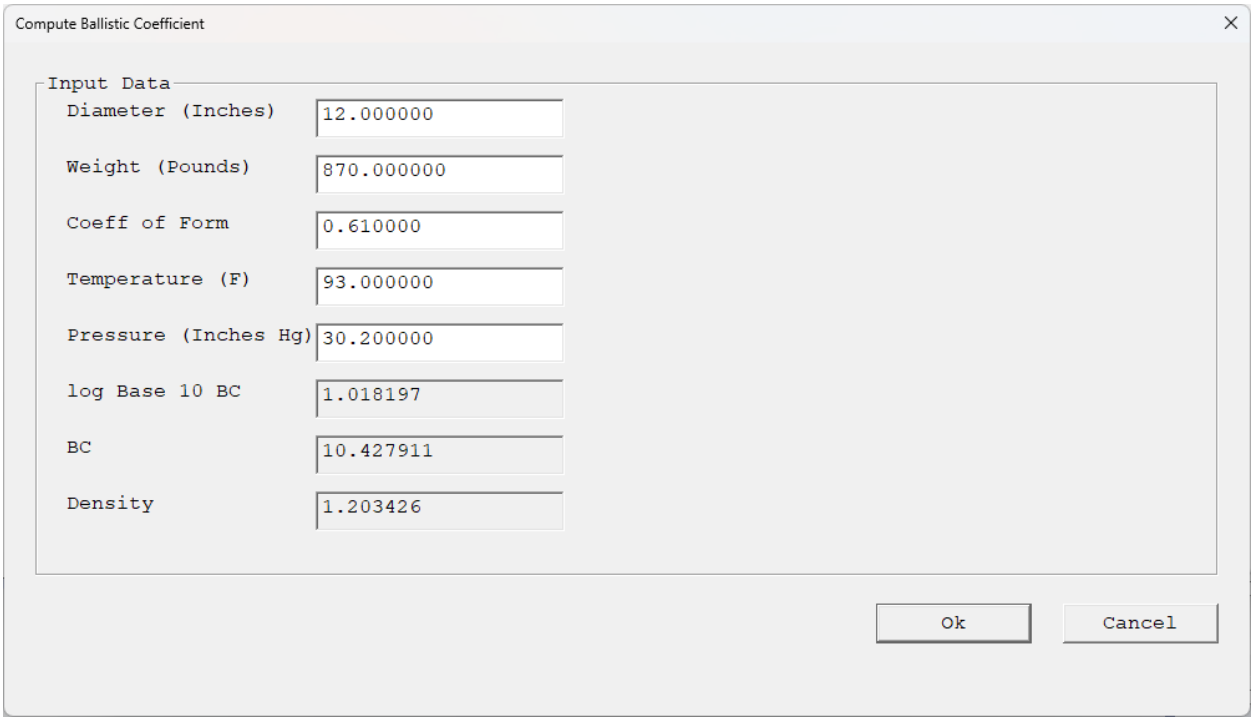
Problem 4 log 10 BC = 0.67524



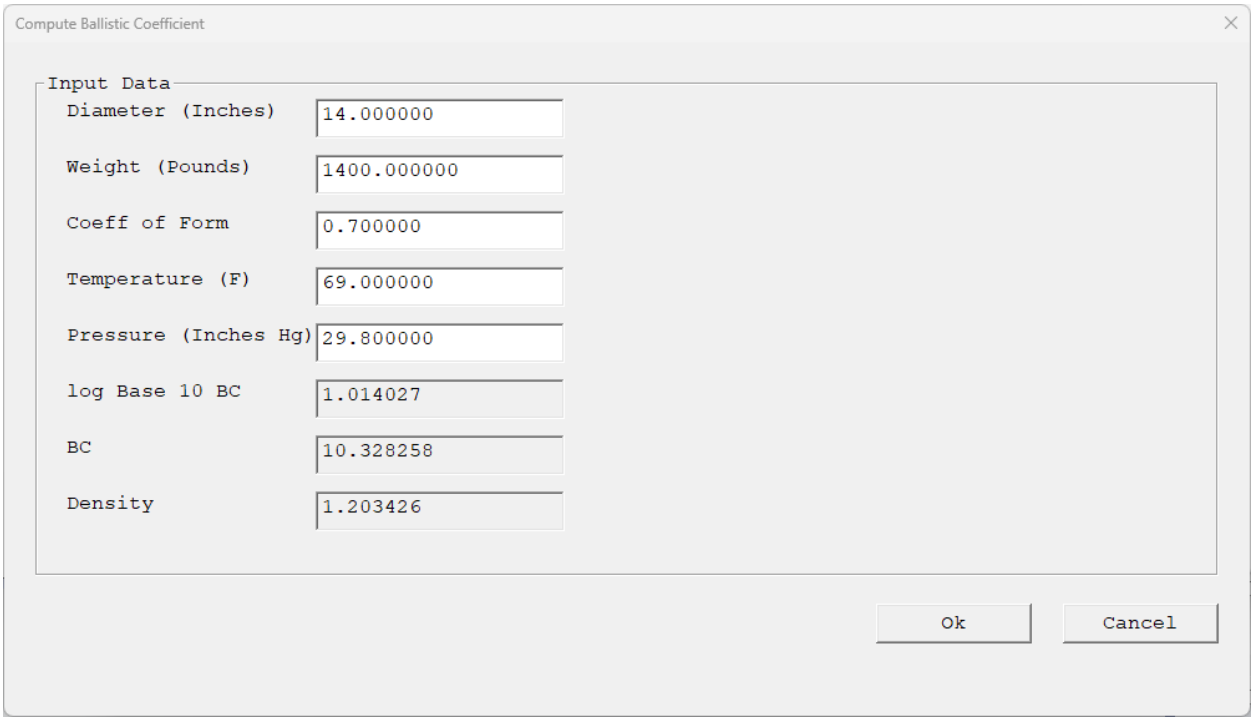
Problem 5 log 10 BC = 0.84437



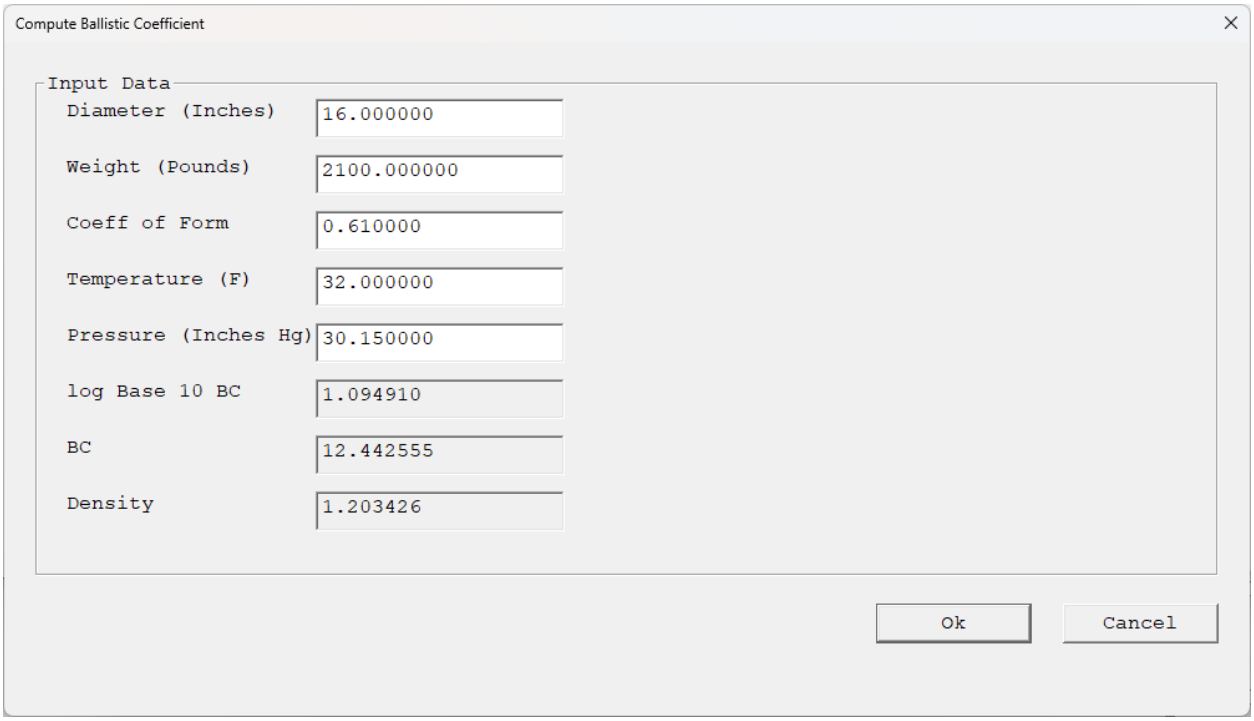
Problem 6 log 10 BC = 1.01811



Problem 7 log 10 BC = 1.01401



Problem 8 log 10 BC 1.09482



Percentage Differences
Percentage Difference [1] = 0.294283%
Percentage Difference [2] = 0.026383%
Percentage Difference [3] = 0.094477%
Percentage Difference [4] = 0.050340%
Percentage Difference [5] = 0.026880%
Percentage Difference [6] = 0.008545%
Percentage Difference [7] = 0.001676%
Percentage Difference [8] = 0.008220%