Gauss Elimination Method

Numerical Computation

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Project #6

Gauss method is basically to solve for one equation to then solve the following systems of equations through substitution. Using the m file, provided on moodle, analzing and understanding the code was done through several comments. Through the gauss method, it is seen that the correct values were gathered, since direct substitution of these values when plugging into the individual equation is equal to the last number of the column. Provided is a Matrix passed to the function as an augmented matrix of the system, following with the values corresponding to x y z unknowns. And then to test the accuracy, the values in this vector were plugged into the equation following its matching coefficient and below the “plug and Check” title, confirms the answers with the matrix last column proving its accuracy.

