

MATH 610 Programming Assignment 1

Name

Problem 1

Solution plots

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Error tables

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Error plots

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Problem 2

Solution plots

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Error tables

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Error plots

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Problem 3

Solution plots

Non-constant RHS

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Constant RHS

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Error tables

Non-constant RHS

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Constant RHS

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Error plots

Non-constant RHS

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Constant RHS

1. $S = 100$
2. $S = 1000$
3. $S = 10000$

Problem 4

Solution plots

Error tables

Error plots