

Math 352 Quiz 1

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1 Answers

1.1 Q1

The error of the Explicit Euler method scales with Δt .

1.2 Q2

- For Implicit Euler, the error scales with Δt .
- For Crank-Nicolson, the error scales with $(\Delta t)^2$.
- For Heun, the error scales with $(\Delta t)^2$.

1.3 Q3

Implicit Euler and Crank-Nicolson are implicit.