

267ODEs-121026, Hour 20: Term Exam

October-24-12
9:49 AM

Dror's grading key:

Problem 2.

- 26/17
22

1. State precisely (without proof) the theorem about existence and uniqueness of solutions for a single first order ordinary differential equation.
- 10/17
12

2. Show by an example that if the Lipschitz condition is dropped from the above statement, the uniqueness of solutions may fail.