

Readings and Discussion Questions

Thursday September 28

Read Chapters: 4.1

Discussion Questions

1. For example 2 (pg 168), do (9) and (10) give all solutions to (1)?
2. Do we obtain all solutions to the porous medium equation (11)?
3. Is the Hamilton-Jacobi equation (18) linear?
4. How are the matrices A_j in (24) and (25) related to the matrix A in (20)?