

50/100

am OK

This is wrong...

Not bad.

Start Video Recording

Announcements

- **Today, Lecture 26, Linear Partial Differential Equations (PDEs)** will be last new material of course:
 - **Review Lecture 25:**
 - Laplace Equation in Cylindrical Equations. Finish example distributed on D2L.
 - **Continued Examples**, Solution of Linear PDEs by Separation of Variables.
 - Examples: Parabolic Equations: 1D Diffusion Equation; Schrodinger's Equation.
 - Examples: Hyperbolic Equations: 1d Vibrating String.
 - L25_mathematica.nb updated and in D2L lecture 25 directory. Will review illustrations therein plotting/animating class solutions.
 - [Supplemental Example: Hyperbolic Equation, EM Waves in a Cylindrical Conducting Pipe.](#)
- Distributed Lecture 25 notes in advance on D2L and announced so any students wanting to get ahead in homework 11 can.
 - Notes more detailed (so a little longer) than usual lecture.
- **Homework 11**, due Thursday, Dec 10.
 - Cover solutions of PDEs.
 - Lectures 25 and 26 Notes and L25_mathematica.nb will help with homework
 - D2L upload locked Saturday, Dec 12 at 10 pm. Cannot go beyond this. Will post solution.
- **Project Presentation Slides**: Due **Thursday, Dec. 10**, last lecture.
 - Deliverable in 10 minutes or less, max 15 slides.
 - Please submit in pdf format.
- **Lecture 28, Thursday**, Final Review
 - If needed, continue example solutions of PDEs.
 - Review for Final.
- **Final Instructions** (online) listed below.
 - Format same as for Tests. Note deviations in time: Exam will be 1:50.

Final Exam, Thursday, Dec 17

12:45 - 2:45 pm scheduled: 1:50 total exam time

Test Distributed on D2L at specified time, Turn in via D2L

- **12:50 pm** Release on D2L, See "Tests" folder: Tests > Final Exam > Final.pdf
- **12:55 pm** **Start**
- **2:45 pm** **Stop**
 - Upload Scan of Work to D2L (20 min)
- **3:05 pm** D2L Locked. **PLEASE DO NOT BE LATE TURNING IN**

Instructions for Final:

- **Remain logged into Zoom Classroom during Final**
 - Will announce any issues/corrections
 - If for any reason have connection issues, follow guidelines and turn in on time on D2L
 - If finish early, you can scan and upload on D2L early
- **No help from anyone.** Do your own work. Clarification questions to professor permitted
 - Professor will take questions in chat (will monitor)
 - Will use Zoom breakout room "Questions" to avoid distractions if discussion needed
- **Permitted to use:**
 - **Class Text** (Boas only)
 - **Class Notes** (Professor's and your own)
 - **Homework/Test Solutions** (your own and those distributed)
- **Not Permitted:**

- **Mathematical Software:** Mathematica, Maple, Python/symbolic-Python, etc
- **Any Additional References:** Online, Other Textbooks including supplemental class text Arken, Webber and Harris, References, etc.
- **Timer:** Will run countdown timer to make clear how much time till stop.
- **Visa Students:** Extra time accommodation granted by extended time till turn in (50% extension => 165 min total => 3:40 Adjusted Stop)
 - Please continue working when time is called and remain in Zoom classroom
 - I will announce extended time end time later
 - In the event of distracting turn in noise at end of regular interval, please temporarily silence speaker (turn back on after 3:10 pm)