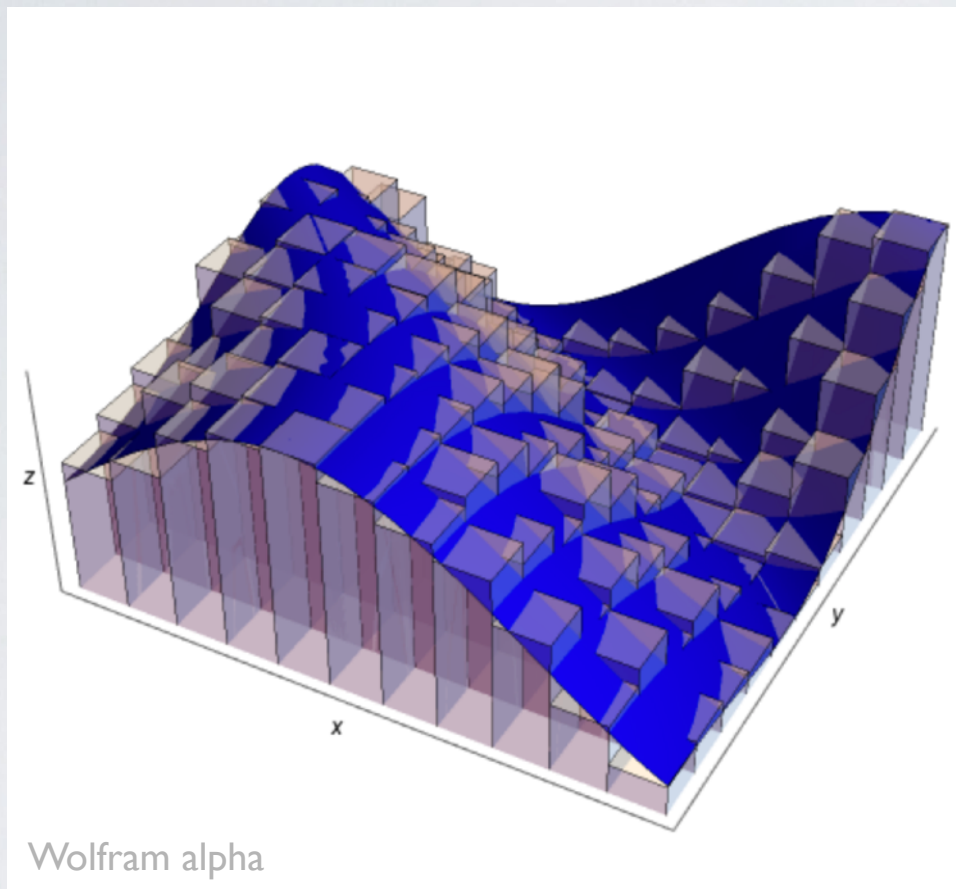


Week 5 - #2

Multiple Integrals



Today: Ch 5

Next Class: Ch 6

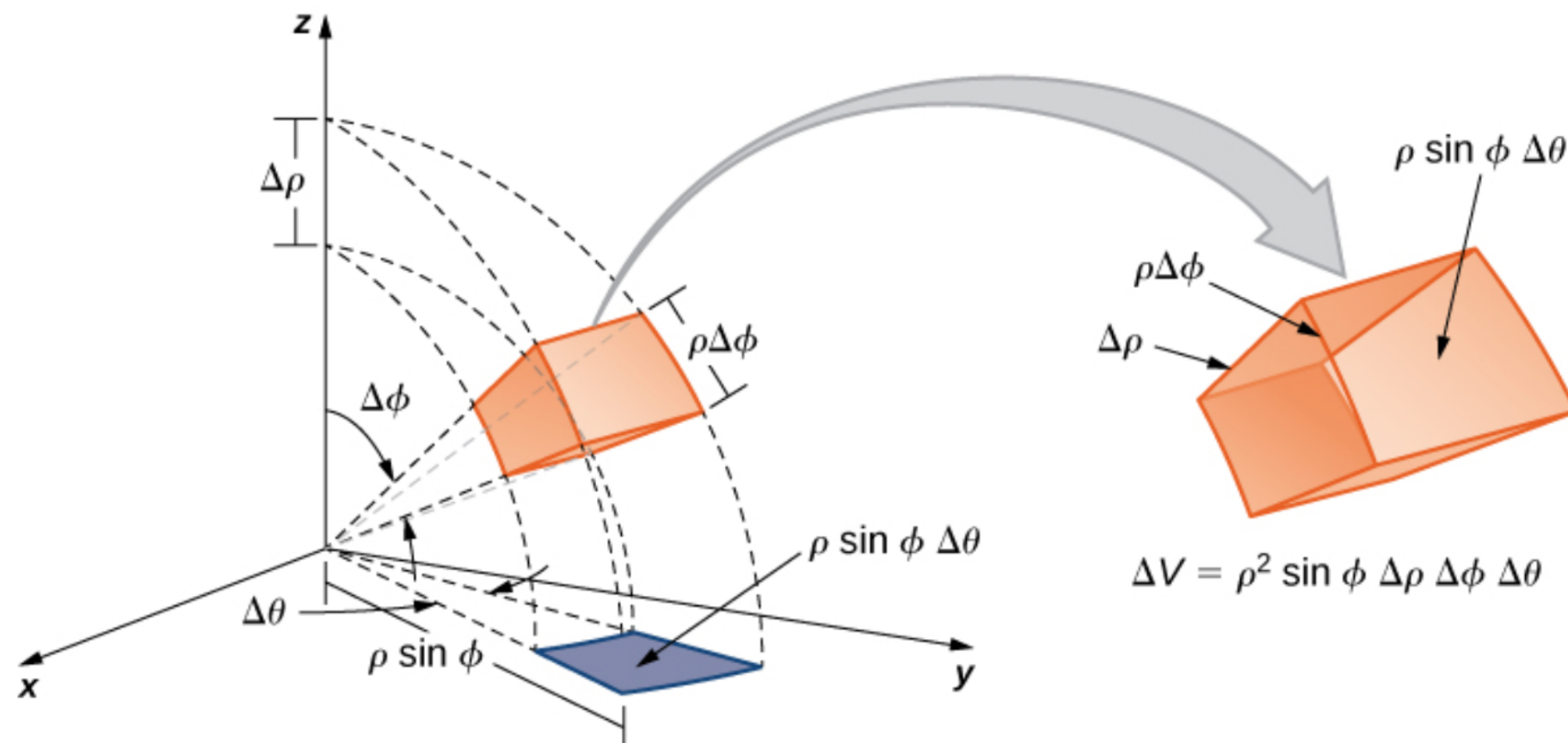
Ji-hoon Kim (Seoul National University)

Rudimentary Mathematical Methods of Physics (Fall 2025): Quiz #8

— [open book and open note, **but** no cellphone or laptop, drop it off as you leave the class] —

Please write down your name and student ID in the top right corner. (0.0 pt: no paper found with your name / 0.5 pt: paper found with your name and some answers / 1.0 pt: good answers)

1. Boas, Chapter 4, Section 7, Problem 12
2. Boas, Chapter 4, Section 10, Problem 3



Rudimentary Mathematical Methods of Physics (Fall 2025): Suggested Problems in Chapter 5, Boas, 3rd ed.

The problems I suggest you to take a deeper look into include, but are not limited to, the following.
The class homework assignments will mainly be from this list.

- Section 01: Problems 2, 4, 5
- Section 02: Problems 3, 5, 9, 11, 13, 16, 20, 22, 26, 39, 41
- Section 03: Problems 6, 12, 13, 17, 18, 19, 20, 21, 25
- Section 04: Problems 2, 4, 7, 14, 16, 19, 20
- Section 05: Problems 1, 5
- Section 06: Problems 4, 6, 11, 18, 23, 25, 27

Rudimentary Mathematical Methods of Physics (Fall 2025): Suggested Problems in Chapter 6, Boas, 3rd ed.

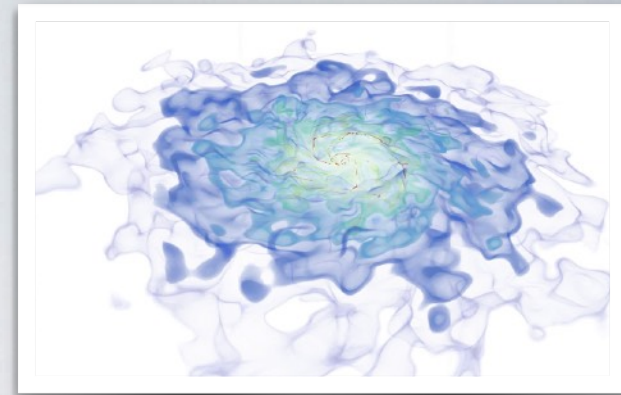
The problems I suggest you to take a deeper look into include, but are not limited to, the following.
The class homework assignments will mainly be from this list.

- Section 03: Problems 12, 13, 14, 16, 17
- Section 04: Problems 6, 9
- Section 06: Problems 8, 13, 14, 16
- Section 07: Problems 6, 7, 15, 16, 17
- Section 08: Problems 6, 14, 18, 19, 20
- Section 09: Problems 3, 4, 7, 8
- Section 10: Problems 6, 10, 12, 15, 16
- Section 11: Problems 8, 10, 12, 16, 17(b)(d)(e), 18
- Section 12: Problems 3, 16, 19

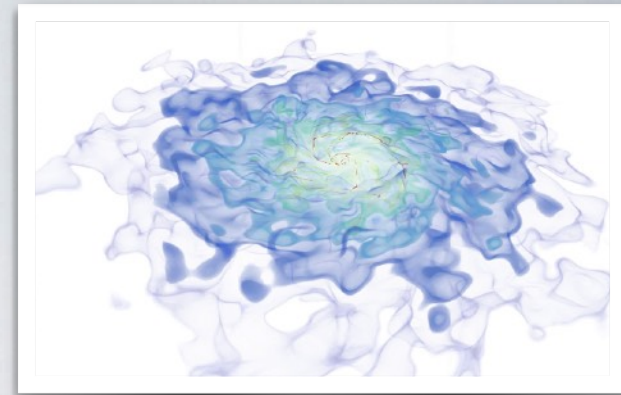
Chapter 10, Sections 5 & 7-9

- Section 05: Problems 5, 7, 10
- Section 08: Problems 6
- Section 09: Problems 2, 5

39 problems / 173 total
(Ch.10) 13 problems / 138 total



No Class Next Week



HW #3 will be posted!

(To be posted on jihoonkim.org, Due: **Oct. 17 (Fri), 23:00pm**,

Grader TA this time: 정은우, cewgenius@snu.ac.kr)