(Preview of) Midterm Exam No. 01 (Fall 2025) PHYS 500A: MATHEMATICAL METHODS

School of Physics and Applied Physics, Southern Illinois University-Carbondale
Date: 2025 Sep 26

- 1. (20 points.) On contents related to HW-01, tentatively on index notation.
- 2. (20 points.) On contents related to HW-02, tentatively on Gradient operation.
- 3. (20 points.) On contents related to HW-03, tentatively on curvilinear coordinates.
- 4. (20 points.) On contents related to HW-04, tentatively on analytic function.
- 5. (20 points.) On contents related to HW-05, tentatively on contour integrals.