QFT Homework 10 Due 1 Dec 2022

This homework is due to https://uwcloud.uwinnipeg.ca/s/Xks9XWXz9yo5CpG by 10:59PM on the due date. Your file(s) must be in PDF format; they may be black-and-white scans or photographs of hardcopies (all converted to PDF), PDF prepared by LaTeX, or PDF prepared with a word processor using an equation editor.

Reading Assignment: Srednicki chapters 22 & 24.

For a grade Submit your answers for the following questions

- 1. Charge Generates Transformations (in Hamiltonian Formalism) Srednicki 22.1 Presentation: Phil
- 2. Special Orthogonal Groups Srednicki 24.1 & 24.2 Presentation: Bardh

Not to be marked Do not submit your answers for the following questions

- 3. Canonical Momentum and Translation Srednicki 22.2 Presentation: Zunaira
- 4. Symplectic Groups Srednicki 24.4 Presentation: Naman As a hint, split the generator into $N \times N$ blocks.