

Group theory (Physics) – 117140 (Shlomo Razamat).

- **Contact information:** – Room 707 (Lidow building seventh floor), email: razamat@physics.technion.ac.il.
- **Office hours:** – Wednesday after the class.
- **Grading:** – 15% Home exercises , weekly exercise, ten best exercises for credit, submission requirement at least ten. 85% Exam
- **Syllabus:** – Finite and Infinite groups, Representation theory, Characters, Lie groups and Lie algebras, Cartan's Classification, Spinors
- **Assumptions:** – Quantum mechanics, Relativity, Linear Algebra.
- **Material:** – Primary source:
 - Zee, Group theory in a nutshellMore references:
 - Georgi, Lie Algebras
 - books with Group theory for physicists in the title