

Due May 7, Thursday

Problem 1 (10 points) Problem 9.25 (Anomalous dispersion, Index of refraction)

Problem 2 (10 points) Problem 9.26 (Anomalous dispersion, Group velocity)

Problem 3 (10 points) Problem 9.30 (Wave guide, Energy transfer)

Problem 4 (10 points) Problem 9.31 (Wave guide, TM mode)

Problem 5 (10 points) Problem 10.3 (Gauge transformation)

Problem 6 (10 points) Problem 10.4 (Gauge transformation)

Problem 7 (10 points) Problem 10.6 (Gauge transformation)