

PHY410 Homework Set 10

1. [10 pts] Kittel-Kroemer, problem 8-3.
2. [5 pts] Kittel-Kroemer, problem 8-6.
3. [5 pts] Kittel-Kroemer, problem 8-7. Provide explanation.
4. [5 pts] Kittel-Kroemer, problem 8-9. On the low-temperature side the heat absorbed by the refrigerator is tied to the temperature change in the solid according to $dQ_L = -C dT_L$.
5. [5 pts] Kittel-Kroemer, problem 9-1.