

HW #8

(due 05/06/13)

Reading

- (i) Omar (0) Ch. 10
- (ii) Handout 8

Problems

- 1. 0 Ch. 10, Q. 2
- 2. 0 Ch. 10, Q. 4
- 3. 0 Ch. 10, Q. 7
- 4. 0 Ch. 10, Pr. 1
- 5. 0 Ch. 10, Pr. 9

6. Using Handout 8, please describe the main properties of the intermetallic superconductor MgB_2 . Please use ≥ 4 sentences in your response.

Note: Leave your answer in symbolic form in Pr. 1 since not (general) all the numerical values are provided.