

HW #6

Physics 406

(due 04/04/13)

Reading:

- (1) Omar, Ch. 6 (Ch. 5 also used)
- (2) Handout 6: "The incredible shrinking circuit"

Problems:

1. θ Ch. 5, Pr. 12
2. θ Ch. 6, Q. 1
3. θ Ch. 6, Q. 4
4. θ Ch. 6, Q. 9
5. θ Ch. 6, Q. 12
6. θ Ch. 6, Pr. 2
7. θ Ch. 6, Pr. 5
8. θ Ch. 6, Pr. 6
9. θ Ch. 6, Pr. 8
10. Based on your reading of Handout 6, please describe recent developments in the area of nanowires & nanoelectronics. Use ≥ 4 sentences in your response.