

Before Reading

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1 About General Physics II(H)

General Physics II(H) is a course for students in CKC College in their first semester of the sophomore year. Different professors may have different teaching content and system for this course. For me, I chose the lesson of Professor Lu Xin and Professor Gentaro Watanabe. They are both amiable teachers with excellent academic ability, and offered me much help in my study, for which I am very grateful to them.

This course covers the content of electricity, magnetism, optics and quantum physics. The first two sections are lectured by Professor Lu Xin, and the last two sections are lectured by Professor Gentaro Watanabe. Compared to General Physics I(H), this course is even more challenging, requiring more mathematical knowledge and physical intuition.

Also, for most of the students attending this course, this course may seem not necessary for their major, and they may not have sufficient time to study this course. Thus, many cannot get a good grade or even hate this course. But in my opinion, it is not a very good idea to have a negative attitude towards this course even before the semester starts. Now that physics is a compulsory course for you, then you should find an efficient way to learn it. The midterm exam and the final exam are both strongly related to the homework problems. Actually, many homework problems are from the previous exams. That makes the homework problems very important.

2 About This Document

This document is the collection of my own solution to the homework problems of General Physics II(H). In the previous section I have stated the importance of completing the homework problems, so I hope this document can only be used as a reference for you. Any form of plagiarism is not allowed. Once discovered, I will delete this document permanently. You can consult this document when you cannot figure out the solution for a question, or take the document as a reference when you're reviewing for the exam.

As the solution made by a non-professional student, this document is inevitably

immature and may contain many errors. There're some problems that I cannot get full score, so the reference will not be shown. If you get a full score for such problems, please contact me and I will add your solution to this document. However, for the 6th and 8th homework, for some reasons, my homework was not graded, so the reference will not be shown. If you find any errors, you can contact me and I will correct them as soon as possible. Any contribution to this document will be highly appreciated.

3 Contact Me

Please contact me if you find any error or you are still confused about the homework problems after reading my solution. If you're a CKC student who will attend this course in 2024 fall semester, you can contact me in the QQ group for general physics. Or you can contact me by email. My email address is 5kym00dy72@gmail.com. My major is computer science and technology and I may forget many knowledge of physics. But I will do my best to help.