

普通物理 General Physics (1)
Must See: Energy
Try []

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考試注意事項 INSTRUCTIONS TO STUDENT

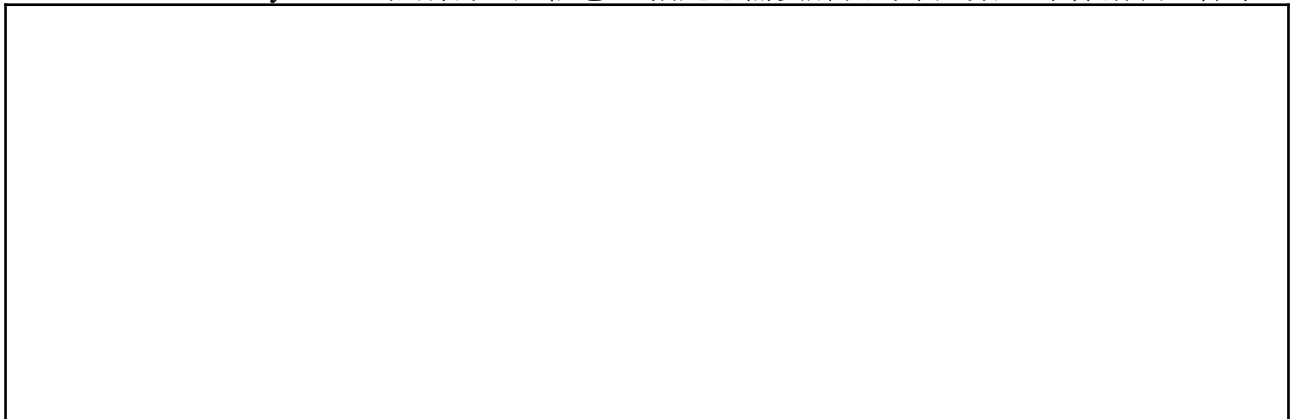
1. 所有的電子產品是禁止的。Electronics, e.g. handphones, calculators, are prohibited.
2. 談話被禁止。如果你作弊，你會得到零分。No talking. Cheating or attempting to cheat on an exam paper is a serious offense. Students caught cheating or attempting to cheat will receive ZERO on this exam paper.
3. 請用原子筆作答，不能使用鉛筆。Use a pen. Do not use a pencil.
4. 答案請寫在試卷上。Write all answers in this examination booklet.
5. 本試卷包含有 3 個問題 2 頁。This paper consists of 2 pages with 3 questions.
6. 考試時間 30 分鐘。You have a total of 30 minutes to complete this paper.
7. 當你寫完論文，舉起你的手，等待考試的主管來收集你的論文。When you finish the paper, raise your hand and wait for the exam supervisor to collect your paper.
8. 現在填寫您的姓名(中國與英文),學號。Fill in your Name and Student ID now. (I will fill in your mark.)

“To Him Who Is Above And Beyond All”

Question:

1. Draw a Pictorial Representation of the Problem. 繪製問題的圖示

Include all known information. Specify the unknowns for which you need to solve. Make sure you define a coordinate system. 包括所有已知信息。指定您需要解決的未知數。確保繪製坐標系。



MS energy T

Name:

ID 學號:

2. Solve for f_k . Use Kinematic Equations and Newtonian Dynamics 用運動學方程和牛頓動力學求解 f_k

2.1 Draw the motion diagram 繪製運動圖

2.2 Identify the System. 識別系統。

2.3 Draw the Free Body Diagram (FBD).
Show all forces. 繪製力圖 (FBD) 。顯示所有力量。

2.4 Use Mathematics to solve. Show all steps. 用數學來解決。顯示所有步驟。

3. Solve for f_k . Use Concept of Energy (E), Work (W) and Momentum (p) 解決 f_k 使用能量概念(E),工作(W) 和 動量(p)

3.1 Draw Before and After Pictures 之前和之後的圖片

3.2 Identify System and Environment 識別系統和環境

3.3 Use Mathematics to solve. Show all steps. 用數學來解決。顯示所有步驟。

The End of Must See Mechanics: Please raise your hand when finished.