

CHN-S-1 E-0 C-1

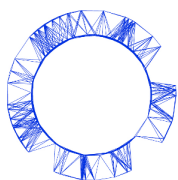
CHN-S-1 E-0 C
Chen Shiqi
A08

Experiment General Instructions

Cover sheet

Please return this cover sheet together with all the related question sheets.

DELEGATION PRINT



实验考试通用指导

实验考试时间为 5 个小时，总分为 20 分

考试前

- 考试开始铃声响起前，不能打开装有试题的信封。
- 考试开始和结束都会以铃声提示。考试过程中，每过一个小时和考试结束前 15 分钟，都会以铃声提示。

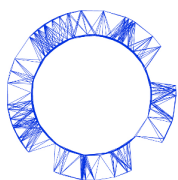
考试期间

- 将答案填写在提供的答题卡上。将测量数据填写在答题卡（标记为 A）的相应表格中。对于每个问题，都会提供额外的空白作答纸（标记为 W）用于进行详细的计算。请始终确保使用的作答纸属于你正在解答的题目（检查作答纸顶部的题号），如果你在任何纸张上写了不想被评分的东西，请将其用 X 号划掉。只使用每一页的正面作答。
- 在你的答案中，尽量简明扼要：尽可能使用方程、逻辑运算符和草图来说明你的想法。避免使用长句。
- 不需要进行误差计算，除非明确要求。在说明数字时，请给出适当位数的有效数字。此外，除非给出具体说明，否则你应该决定适当的数据点的数量或重复测量次数。
- 您可能经常能够解决问题后面的部分，而不需要先解决前面的部分。
- 未经允许，你不能离开考场。如果你需要任何帮助（例如水瓶需要补充饮用水，计算器损坏，需要去厕所等等），请举起三面旗子中的一个，以引起监考人员的注意：“H₂O”表示倒满水瓶，“WC”表示你需要去厕所，其它情况需要帮助时一律使用“Help!”。如果你需要更多的作答纸或者坐标纸，请举起“Help!”的旗子。

考试结束时

- 在考试结束时，必须立刻停止书写。
- 对于每个问题，按照以下顺序进行相应的排序：封面 (C)、问题 (Q)、答题卡 (A)、作答纸 (W)。
- 把属于一个问题的所有的纸放在同一个信封里。将通用指导 (G) 放入剩余的独立信封中。此外，空白纸张也要上交，你不能将任何纸张带出考场。
- 把你的书写工具（一支圆珠笔、一支铅笔、一把尺子、一块橡皮擦/卷笔刀）和计算器放回透明的拉链袋里。
- 请在你的桌旁等着，直到你的信封被收取。一旦所有的信封被收起，你的向导将护送你离开考场。把你的书写用具袋放在桌上，但是带上你的水瓶。

Experiment



IPhO 2018
Lisbon, Portugal

CHN-S-1 E-0 G-1

GO-1

English (Official)

General Instructions

The experimental examination lasts for 5 hours and is worth a total of 20 points.

Before the exam

- You must not open the envelopes containing the problems before the sound signal indicating the beginning of the competition.
- The beginning and end of the examination will be indicated by a sound signal. There will be an announcement every hour indicating the elapsed time, as well as fifteen minutes before the end of the examination (before the final sound signal).

During the exam

- Dedicated answer sheets are provided for writing your answers. Enter the observations into the appropriate tables, boxes or graphs in the corresponding answer sheet (marked A). For every problem, there are extra blank work sheets for carrying out detailed work (marked W). Be sure to always use the work sheets that belong to the problem you are currently working on (check the problem number in the header). If you have written something on any sheet which you do not want to be graded, cross it out. Only use the front side of every page.
- In your answers, try to be as concise as possible: use equations, logical operators and sketches to illustrate your thoughts whenever possible. Avoid the use of long sentences.
- Explicit error calculation is not required unless explicitly asked for. However, you are asked to give an appropriate number of significant digits when stating numbers. Also, you should decide on the appropriate number of data points or measurement repetitions unless specific instructions are given.
- You may often be able to solve later parts of a problem without having solved the previous ones.
- You are not allowed to leave your working place without permission. If you need any assistance (need to refill your drinking water bottle, broken calculator, need to visit a restroom, etc), please draw the attention of a team guide by raising one of the three flags: "H₂O" to refill the water bottle, "WC", if you need to go to the toilet, or "Help!" in all other cases. If you need more Working or Graph Sheets, please raise the "Help!" flag.

At the end of the exam

- At the end of the examination you must stop writing immediately.
- For every problem, sort the corresponding sheets in the following order: cover sheet (C), questions (Q), answer sheets (A), work sheets (W).
- Put all the sheets belonging to one problem into the same envelope. Also put the general instructions (G) into the remaining separate envelope. Also hand in empty sheets. You are not allowed to take any sheets of paper out of the examination area.
- Put your writing equipment (1 ball point pen, 1 pencil, 1 ruler, 1 eraser/sharpener) as well as the calculator back into the transparent zip bag.
- Wait at your table until your envelopes are collected. Once all envelopes are collected your guide will escort you out of the examination area. Leave your writing equipment bag on the table, but take your water bottle with you.