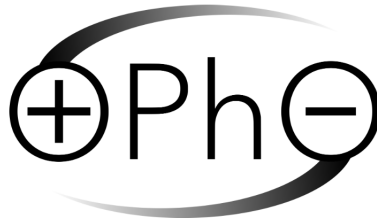


OPhO Problem Writer Application



0 Logistics

This is the application to become a problem writer for the Online Physics Olympiad. We are looking for people that enjoy physics and work well with our team. The application is really short and simple, one original problem and a couple of short answer questions. Submit your problem and short answers at this link:

<https://airtable.com/shrdtqmeSV0wh7q2p>

(the short answers are on the form itself). The deadline is **January 21, 2022 at 11:59 GMT**. Good luck!

1 Original Problem Submission

We are looking for **one** original problem that you have written by yourself, with an accompanying solution. Your submission can either be typed (e.g. using \LaTeX) or handwritten, as long as we can understand both the problem statement and solution. We do not particularly care about how *difficult* the problem is, but instead we ask that you design a problem that is unique and approachable. The format and style (whether it is a short response or a multi-part question) is up to you!

1.1 Objectives

The overarching objectives for each problem are:

- to be enjoyable for contestants to solve.
- to encourage creativity and critical thinking.

1.2 Criteria

Your submission:

1. **should** be approachable by a significant amount of contestants. A good point of reference would be either a medium Open level problem, or an Easy Invitational level problem (see the [past exams](#) for reference).
2. **should** focus on physical ideas, rather than “bashing” equations.
3. **must not** be copied or largely copied from a preexisting source. If you draw light inspirations from a source, you **must** include where the idea came from in your submission.

4. **must** only test ideas from the **IPhO Syllabus**. If additional information is needed, it **must** be provided as background information.