

Review of: "Classical Explanation of Absorption Spectra"

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Potential competing interests: No potential competing interests to declare.

The paper seems to challenge existing explanations for absorption spectra and proposes a new theoretical framework. By conducting a theoretical experiment involving light passing through a gas-filled chamber, the paper aims to demonstrate limitations in the understanding of absorption spectra. This experimental approach likely serves to illustrate how actual models fail to fully account for observed phenomena, perhaps hinting at the need for a more comprehensive or alternative theoretical model.

The experiment described in the paper is purely theoretical and lacks specific experimental details or data; it's essential to clarify this aspect in the introduction.

In such cases, the focus of the paper would likely be on theoretical developments or conceptual insights rather than experimental validation. Therefore, the introduction could emphasize the theoretical motivation behind the proposed experiment, detailing the theoretical framework or model upon which it is based.

Including a mathematical description of the phenomena under consideration would indeed enhance the completeness and rigor of the paper, particularly in the introduction where the theoretical framework is introduced. Mathematical formulations can provide a precise and quantitative basis for understanding the phenomena and can help readers grasp the concepts more effectively.

In the introduction, the paper could outline the key equations or mathematical models that govern the understanding of absorption spectra, as well as any relevant experimental or observational evidence supporting these models. Additionally, it could highlight the specific limitations or discrepancies in the actual models that the proposed theoretical framework aims to address.

By including mathematical descriptions early on, readers can better understand the theoretical underpinnings of the study and how the proposed experiment fits into this framework. This approach would also emphasize the scientific rigor of the paper and enhance its credibility within the research community. If you have any specific mathematical formulations or equations in mind that you believe should be included,

The paper can be published after a major revision.