

# Title of the work

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## Abstract

Write your abstract here. The abstract should concisely describe the scientific motivation, methods, main results, and relevance to quantum sensing and related physics topics. (keep it max. 150 words)

## Introduction and Background

The total length of the document, including figures and references, must fit on **two pages**.

You may include equations using the standard L<sup>A</sup>T<sub>E</sub>X environment:

$$P_{g/h} = \frac{1}{2}[1 \pm T \cos \gamma], \quad (1)$$

or inline such as  $\omega_p = \omega_s + \omega_i$ .

You can include a figure using the `figure` environment and reference it with `\ref`, see Fig. 1. To cite a paper, add it to `references.bib` and use `\cite`. Example citations: [1, 2].

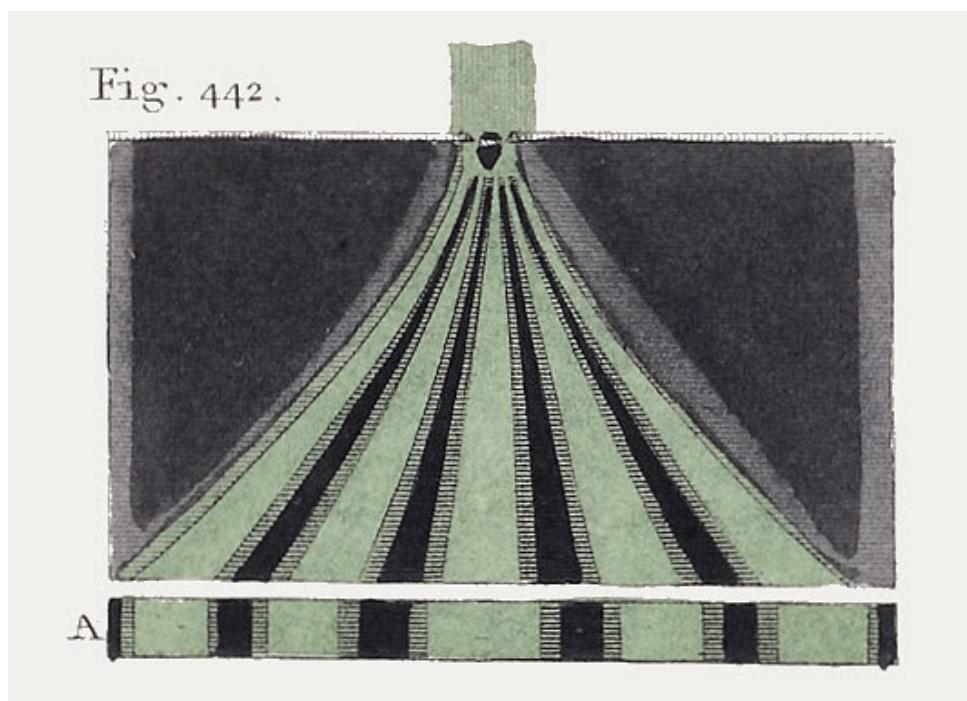


Figure 1: Example figure caption. Figures should be clear and readable.

The provided section names are suggestions only. Authors are free to rename, add (using `\section*{}` command), or remove sections as appropriate.

## Methods / Experiment

Briefly describe the experimental setup, sensing protocol, or theoretical framework.

## Results and Discussion

Summarize the key results and their significance.

## References

- [1] Gabriela Barreto Lemos, Victoria Borish, Garrett D. Cole, Sven Ramelow, Radek Lapkiewicz, and Anton Zeilinger. Quantum imaging with undetected photons. *Nature*, 512(7515):409–412, August 2014. ISSN 0028-0836, 1476-4687. doi: 10.1038/nature13586. URL <https://www.nature.com/articles/nature13586>.
- [2] Albert Einstein, Boris Podolsky, and Nathan Rosen. Can quantum-mechanical description of physical reality be considered complete? *Phys. Rev.*, 47:777–780, May 1935. doi: 10.1103/PhysRev.47.777. URL <https://link.aps.org/doi/10.1103/PhysRev.47.777>.