Contribution ID: **12** Type: **Poster**

Development of printed single and double slits and optical gratings for students' wave optics experiments

Tuesday 5 July 2022 13:30 (20 minutes)

As a part of a larger project, printed slits and optical gratings were developed for students' high school experiments in wave optics: interference on a double slit and optical grating and diffraction on a single slit. These printed single and double slits are very cheap and easily accessible for teachers. The patterns they produce show clear differences between single slit diffraction and double slit interference patterns that can help students investigate and discuss the differences necessary for a better conceptual understanding of these wave optics phenomena.

How would you like to present your contribution?

Target education level (primary)

Upper-secondary education

Target education level (secondary, optional)

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Session Classification: Poster Session: LAB & MDR

Track Classification: Lab Work and Experiments in Physics Education