

Choose Ohio First

JOINT MEETING OF CHOOSE OHIO FIRST (COF) AND
SOCIETY OF PHYSICS STUDENTS (SPS)

The application of liquid crystals to optical beam steering and tunable lenses

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Abstract: Liquid crystals are anisotropic fluids whose effective index of refraction can be changed through the application of a voltage. This effect can be used to make optical beam steering devices and tunable lenses. This talk will first provide an introduction to liquid crystal materials and how their effective index of refraction can be modified by applying a voltage. And then demonstrate how the properties of liquid crystals can be applied to useful and interesting optical components.



Pizza & Soda provided!

WHERE

SR - 151

WHEN

11:30 - 12:20

Thursday, November 21st, 2019