

Abstract Submitted
for the OSF17 Meeting of
The American Physical Society

Treating Interference Effects Coherently LENORE HORNER, The Seven Hills School — Standard textbook treatments of single and double slit diffraction, spatial interference, and thin films make it easy for students to treat these as isolated, unrelated, inflexible phenomena. In fact, the basic cases taught in first year physics can be easily modified in directions readily accessible to first year students if these phenomena are explicitly treated as particular cases of a broader paradigm.

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Date submitted: 13 Sep 2017

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