

Review of articles for FY3M class
J. Erhart

Scopus – **light interference**

Zeng J., Zeng X.

Measuring the central wavelength and bandwidth of an LED with the Michelson interferometer

(2023) Physics Education, 58 (1), art. no. 015015

Planinšič G., Sliško J.

Mechanical model aids understanding of light interference

(2005) Physics Education, 40 (2), pp. 128 - 132

Fish P.W.

Doppler effect or moving interference pattern?

(1971) Physics Education, 6 (1), art. no. 005, pp. 20 - 24

Voronkin O., Lushchin S.

Demonstration experiment and theoretical model of light interference with small particles

(2025) Physics Education, 60 (4), art. no. 045002

Ivanov D., Nikolov S.

Demonstrations of wave optics (interference and diffraction of light) for large audiences using a laser and a multimedia projector

(2011) Physics Education, 46 (6), pp. 705 - 709

Springham S.V.

Cost-effective experiments on the diffraction and interference of light

(2000) Physics Education, 35 (1), pp. 64 - 68

Trebilco G.R., MacKay L.D.

An approach to the teaching of the wave model of light using microwaves

(1971) Physics Education, 6 (3), art. no. 003, pp. 171 - 174

Schwartz E., Meitav N.

The Sagnac effect: Interference in a rotating frame of reference

(2013) Physics Education, 48 (2), pp. 203 - 206

Cuttler A.H.

The optics of a metal interference filter (student demonstration)

(1976) Physics Education, 11 (1), art. no. 005, pp. 45 - 49

Hughes S., Evason C., Baldwin S., Nadarajah H., Leisemann S., Wright S.

STEM takes flight

(2020) Physics Education, 55 (2), art. no. 025005

Mignard D.

Bringing the magic of light to remote areas where resources are scarce: Beautiful demonstrations of interference patterns using laser pens and fibres

(2016) Physics Education, 51 (5), art. no. 054002

Paix o P.A., Remonato V.M.C., Calheiro L.B., Dos Reis D.D., Goncalves A.M.B.
Interference and diffraction experiment using 3D printing and Arduino
(2020) Physics Education, 57 (2), art. no. 025011

Bruce P.J., Emslie C.R., Hodgkinson I.J.
A Fabry-Perot solid etalon for teaching
(1986) Physics Education, 21 (2), art. no. 005, pp. 94 - 97

Hamza A.A., Abd El-Kader H.I.
Interferometric methods of measuring refractive indices and double-refraction of fibres
(1986) Physics Education, 21 (4), art. no. 009, pp. 244 - 248

Bridge N.J.
A novel effect of scattered-light interference in misted mirrors
(2005) Physics Education, 40 (4), pp. 359 - 364

Rosi T., Gratton L.M., Onorato P., Oss S.
Light interference from a soap film: A revisited quasi-monochromatic experiment
(2019) Physics Education, 54 (1), art. no. 015018

Zetie K.P., Adams S.F., Tocknell R.M.
How does a Mach-Zehnder interferometer work?
(2000) Physics Education, 35 (1), pp. 46 - 48

Williams G.T., Owen T.C.
Do-it-yourself holography
(1967) Physics Education, 2 (5), art. no. 311, pp. 278 - 283

Magalhães T.E.C., Ribeiro T.M.
Low-cost optical home-lab experiments
(2024) Physics Education, 59 (2), art. no. 025019

Roccatano D.
Explore the physics of soap films with the SoapFilmScope
(2025) Physics Education, 60 (6), art. no. 065029

Wendt N.C.S., Sanas Zamboni R., Muller M., Fabris J.L.
Double-slit interference with a caliper
(2020) Physics Education, 55 (4), art. no. 043004

Eason R.W.
Achieving the impossible? Holograms written by light from two separate lasers
(1994) Physics Education, 29 (3), art. no. 005, pp. 141 - 145

Toal V., Mihaylova E.M.
Double-glazing interferometry
(2009) Physics Teacher, 47 (5), pp. 295 - 296

Kruschwitz W.H.

Interference bands observable at a distance from a light source

(2006) Physics Teacher, 44 (4), pp. 248

Sawicki C.A.

Easy and inexpensive demonstration of light interference

(2001) Physics Teacher, 39 (1), pp. 16 - 19

Sharpe J.P., Yee C.

Young's Two-Slit Experiment without a Laser

(2021) Physics Teacher, 59 (6), pp. 420 - 421

Welter M.

Interference of laser light using a lab beaker

(2016) Physics Teacher, 54 (8), pp. 505

Moloney M.J.

Homemade interference

(1999) Physics Teacher, 37 (8), pp. 504 - 505

Chiang C.-M., Ma S.-H., Lin S.-T., Hsu W.-H., Huang P.-J.

Application of Optical Path Drawing Technology: The Light Intensity Problem of Double-Slit Interference

(2022) Physics Teacher, 60 (6), pp. 457 - 459

Messer R.

Single slit interference made easy with a strand of hair and a laser

(2018) Physics Teacher, 56 (1), pp. 58 - 59

Hoover M., Everhart M., D'Arruda J.

Poisson spot with magnetic levitation

(2010) Physics Teacher, 48 (2), pp. 135 - 136

Bell M.S.

Double Ring Stand Interference

(2020) Physics Teacher, 58 (3), pp. 204 - 205

Huang D.-W., Huang W.-N., Tseng H.-C.

Eyeglasses in the classroom

(2010) Physics Teacher, 48 (1), pp. 12 - 13

Chiang C.-M., Ma S.-H., Wu J.-Y., Hung Y.-C.

3-D optical path drawing method

(2019) Physics Teacher, 57 (3), pp. 179 - 181

Pal A., Panchadhyayee P., Sahu K.R., Syam D.

A Novel Method for Measurement of the Refractive Indices of Transparent Solid Media Using Laser Interferometry

(2022) Physics Teacher, 60 (1), pp. 51 - 55