

WILLIAM BENTER DISTINGUISHED LECTURE SERIES

A Series of Distinguished Lectures in Pure and Applied Mathematics

organized by

Liu Bie Ju Centre for Mathematical Sciences

City University of Hong Kong

Nature's Optics and our Understanding of Light

by

Professor Sir Michael Victor Berry

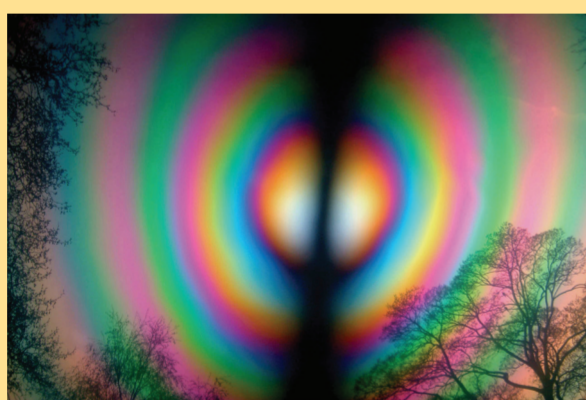
Melville Wills Professor of Physics (Emeritus)

University of Bristol

Wolf Prize Winner in Physics (1998)

Fellow of the Royal Society of London

Foreign Member of the National Academy of Science of the USA



Abstract

Optical phenomena visible to everyone abundantly illustrate important ideas in science and mathematics. The phenomena considered include rainbows, sparkling reflections on water, green flashes, earthlight on the moon, glories, daylight, crystals, and the squint moon. The concepts include refraction, wave interference, numerical experiments, asymptotics, Regge poles, polarisation singularities, conical intersections, and visual illusions.

Date : Monday, 15 October 2018

Time : 16:30

Venue : Room B6605, Blue Zone, Level 6
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