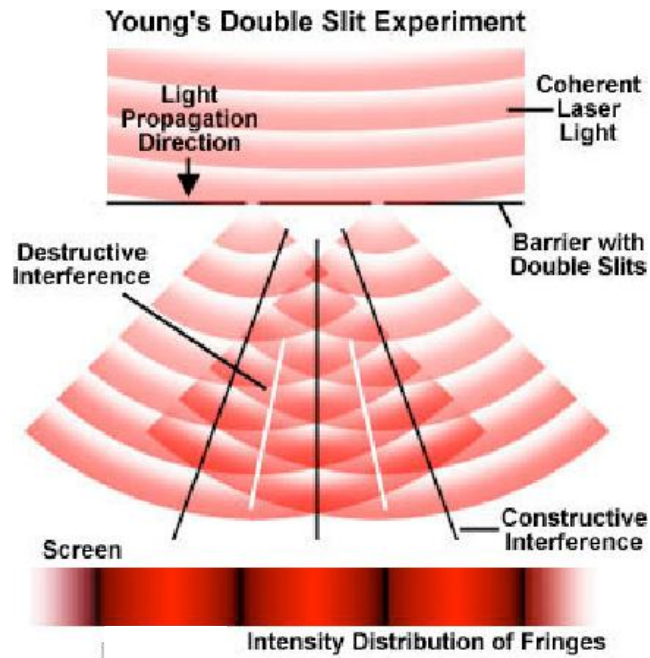
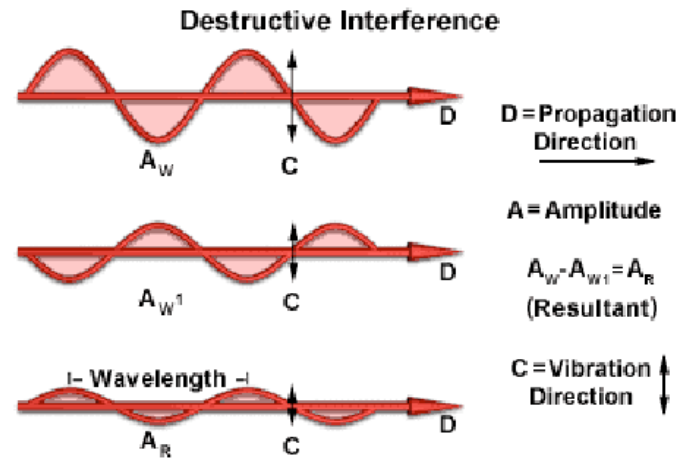
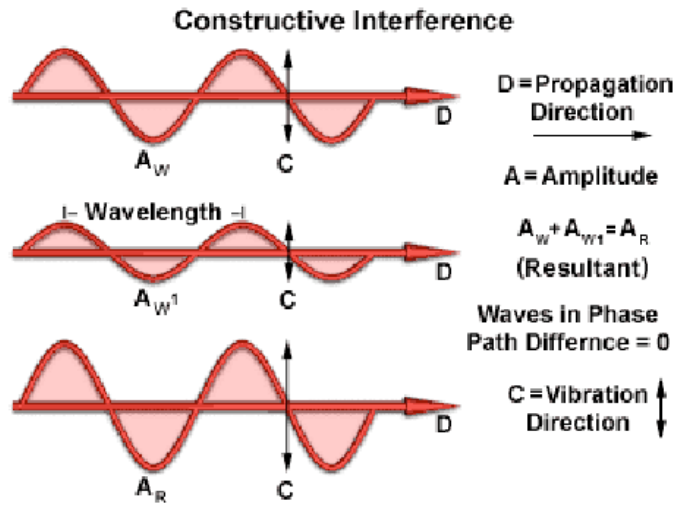


A microscopic image showing a biological structure, possibly a cross-section of a plant stem or a similar tissue. The structure is elongated and has a central horizontal line. The top and bottom surfaces are covered with small, pointed, golden-brown structures. The overall appearance is highly detailed and textured. The text 'DIC' is overlaid in blue at the top right.

# DIC

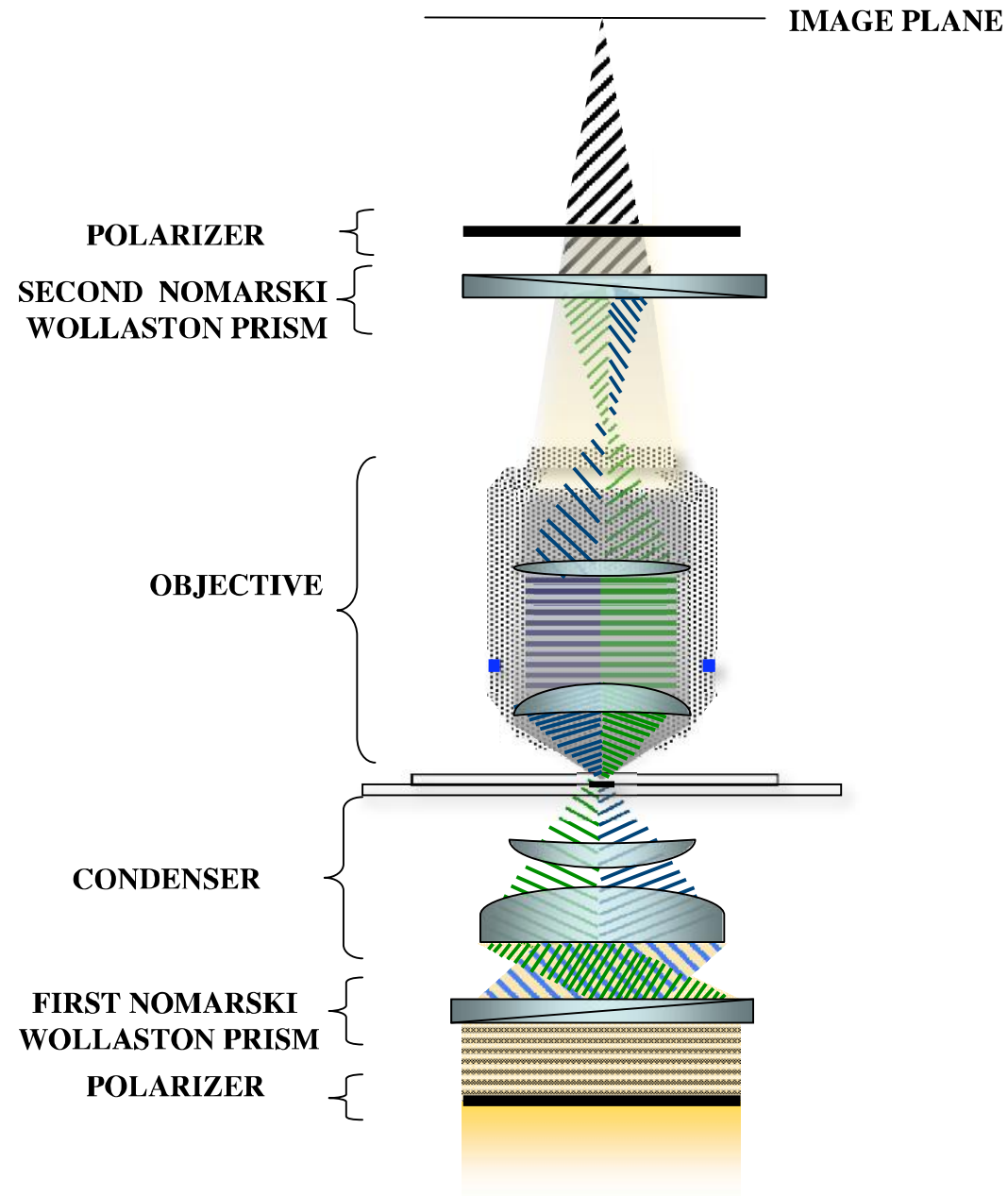
Differential  
Interference  
Contrast







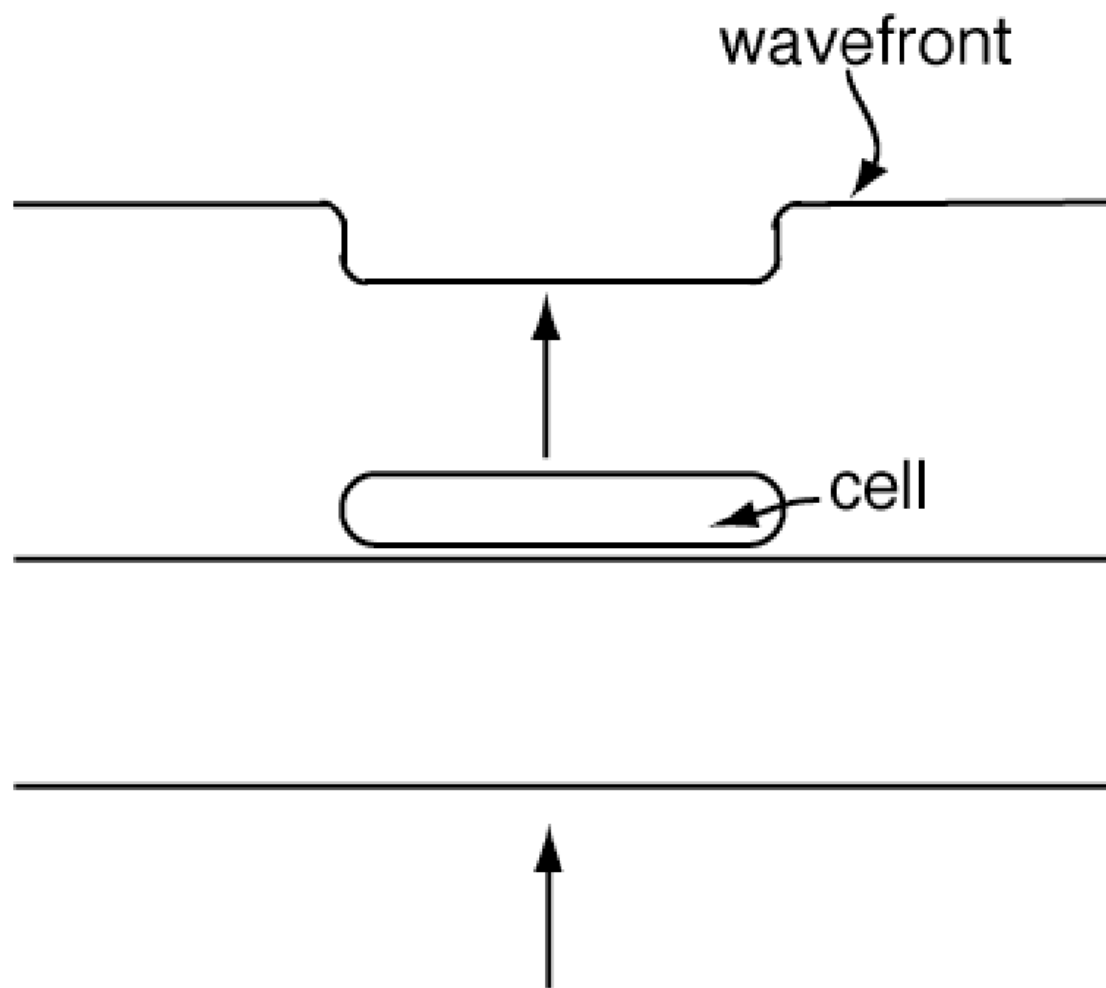
# DIC

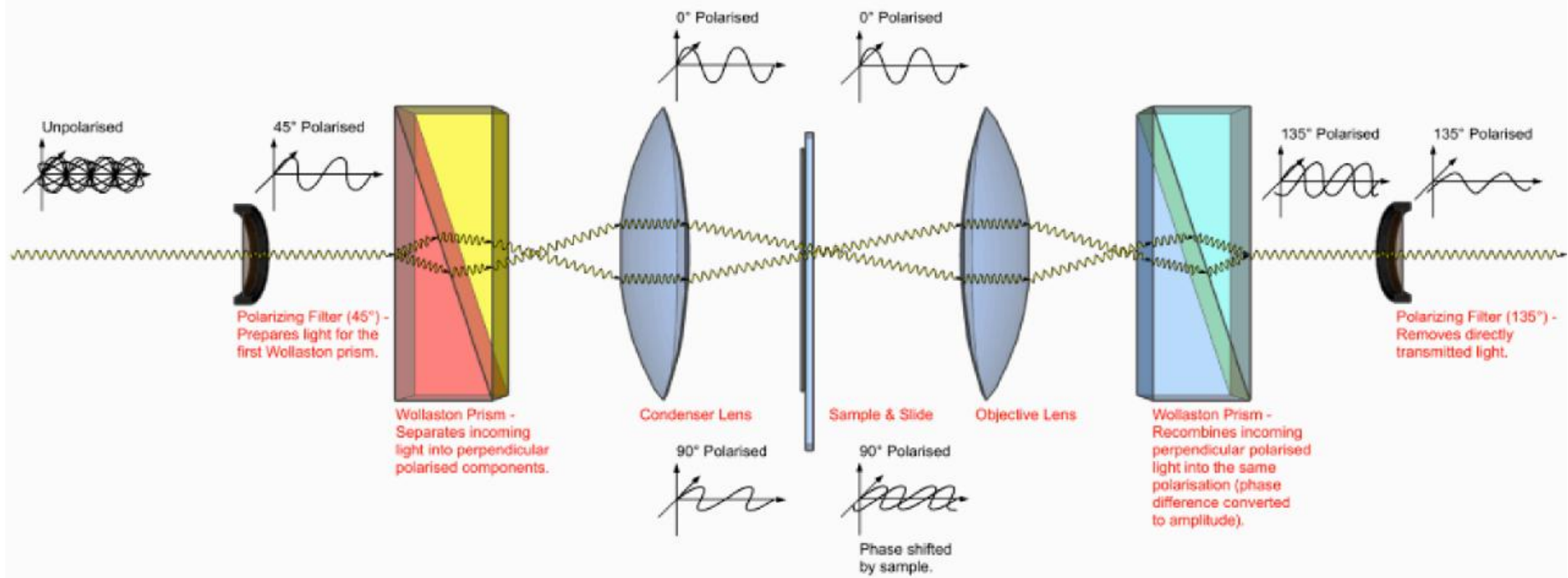


# Differential Interference Contrast Microscope Configuration

# Olympus Digital BX61 Motorized Fluorescence and DIC Microscope







Polarizing Filter (45°) - Prepares light for the first Wollaston prism.

Wollaston Prism - Separates incoming light into perpendicular polarised components.

Condenser Lens

Sample & Slide

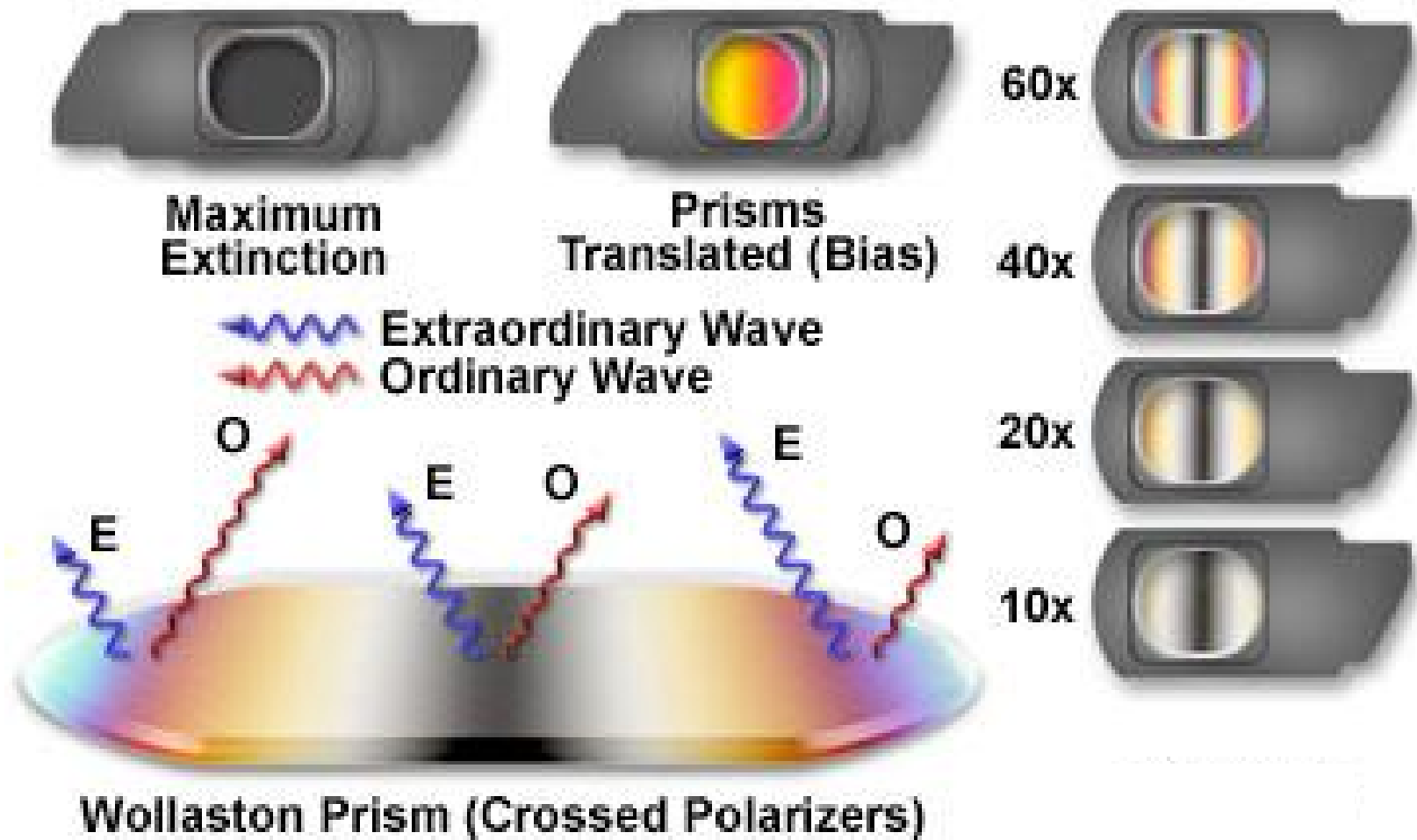
Objective Lens

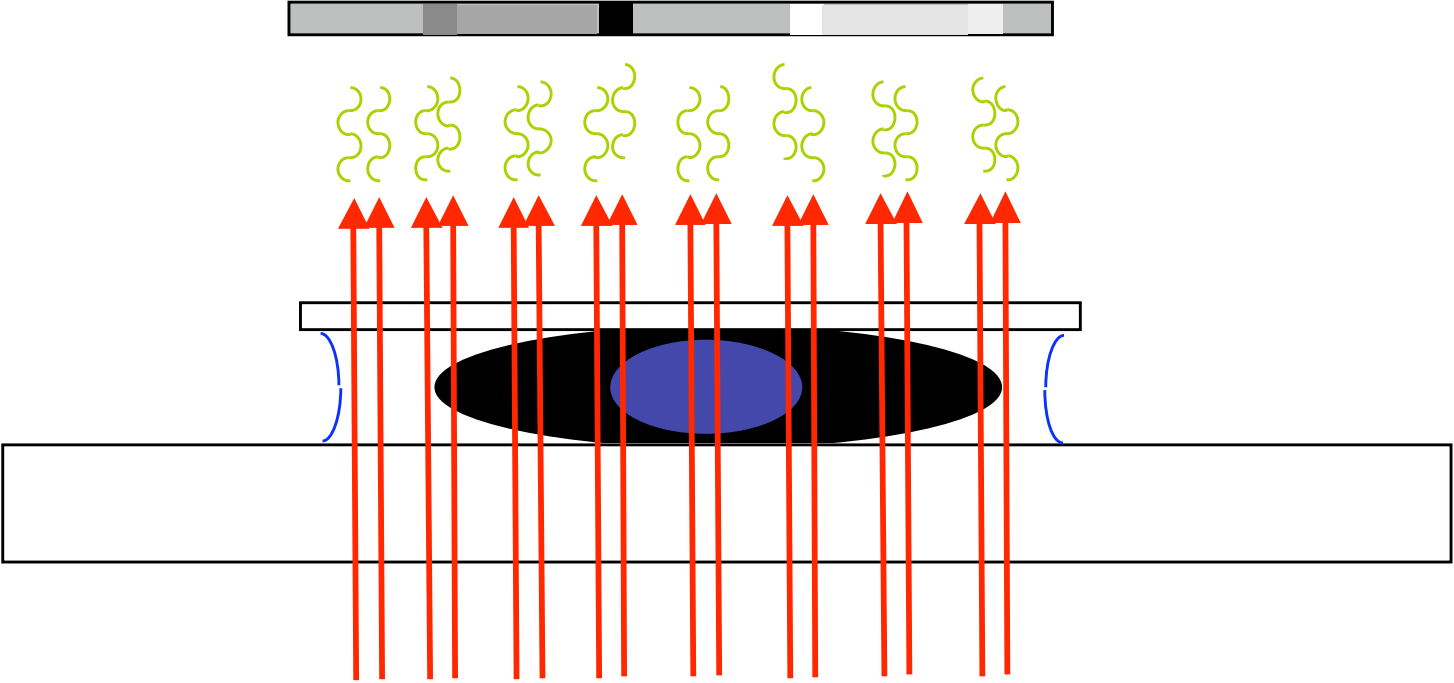
Wollaston Prism - Recombines incoming perpendicular polarised light into the same polarisation (phase difference converted to amplitude).

Polarizing Filter (135°) - Removes directly transmitted light.

Phase shifted by sample.

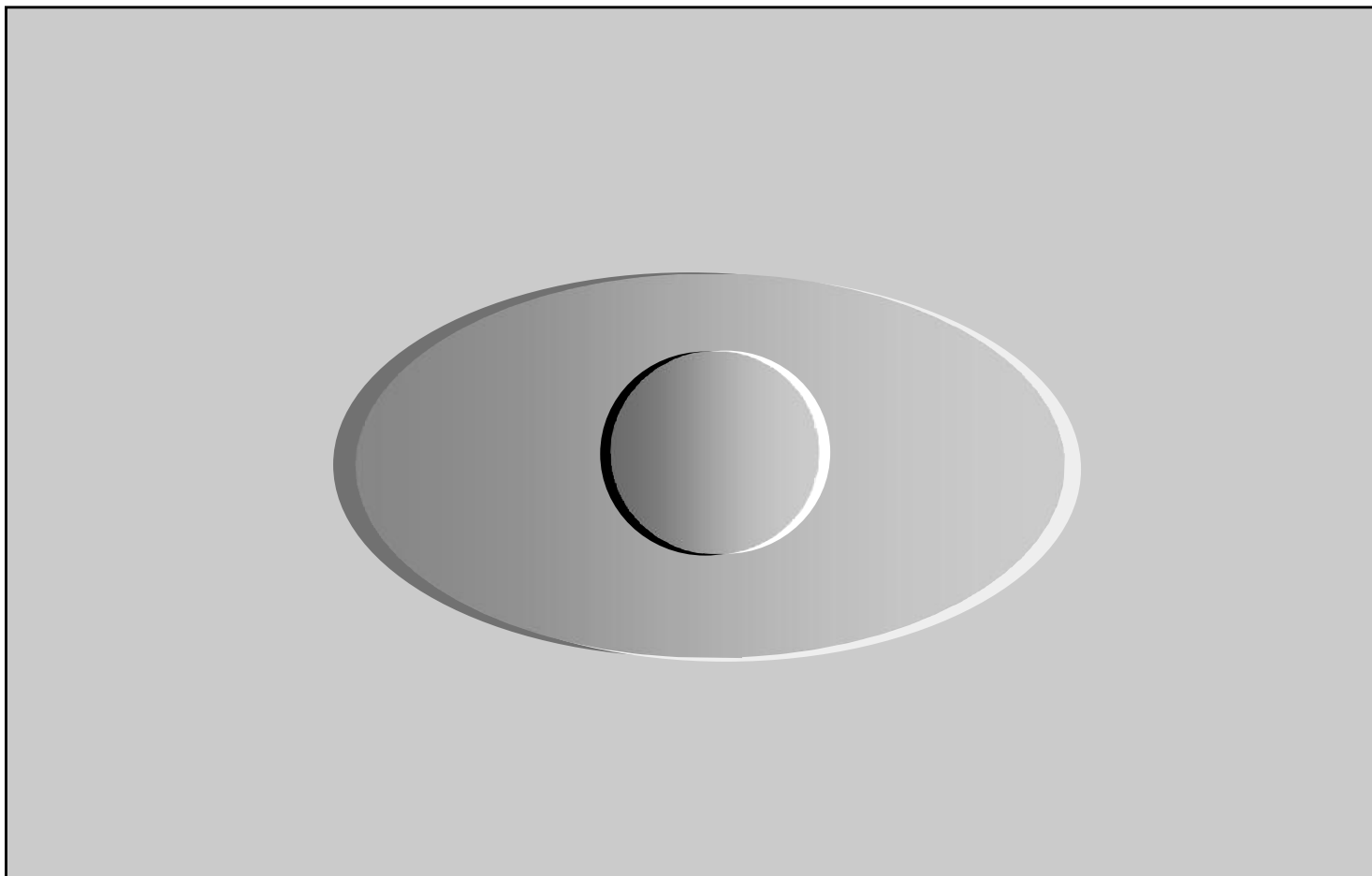
# Wollaston Prism Interference Fringes







The final result -



40x

