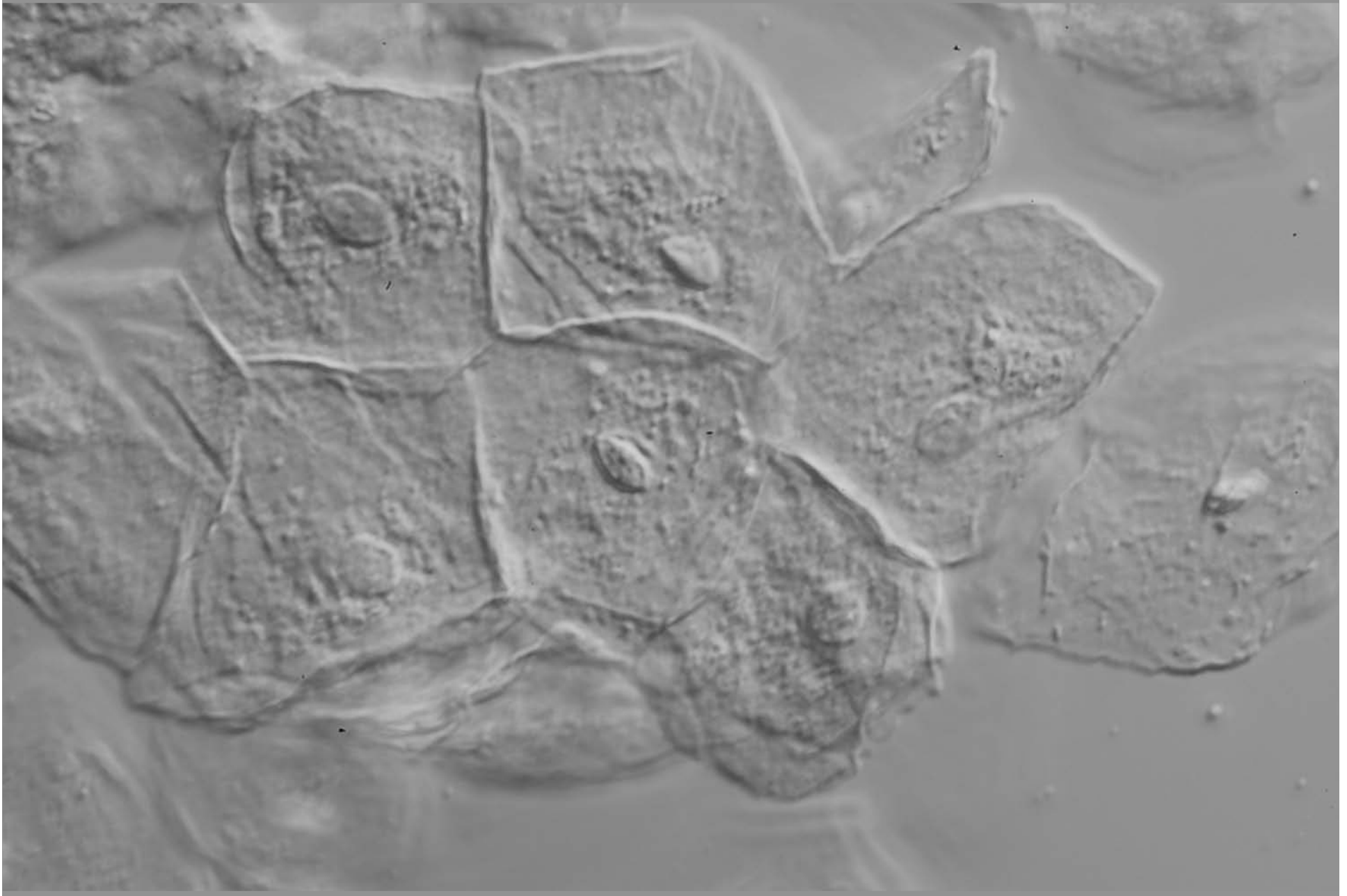
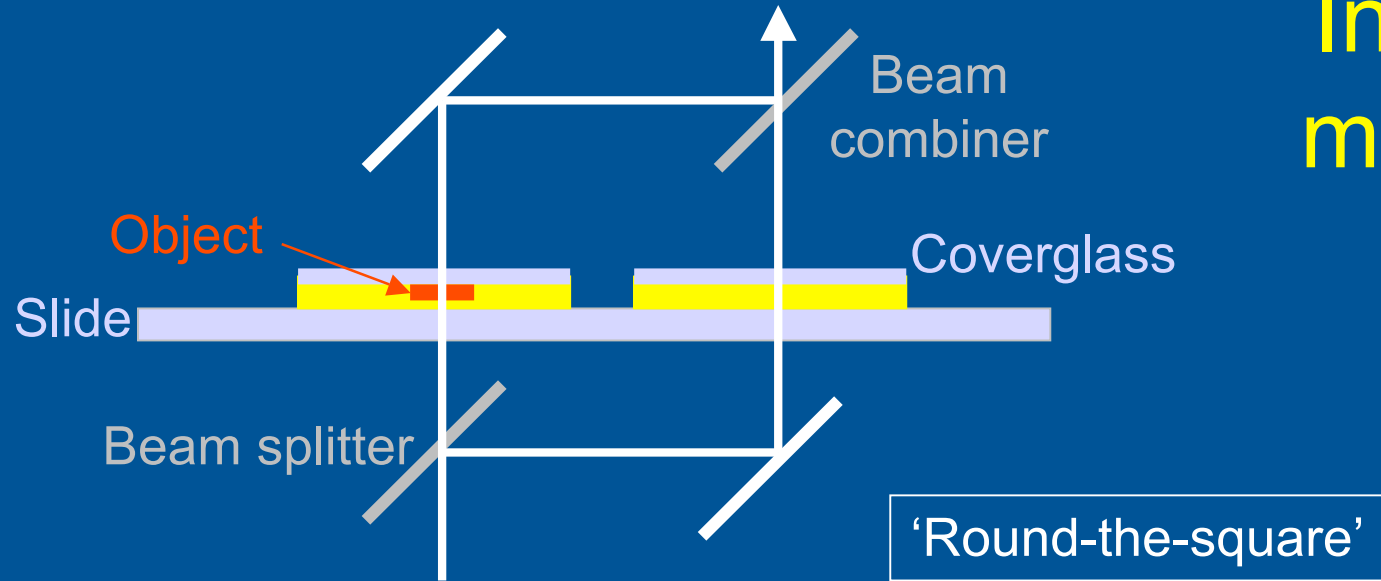


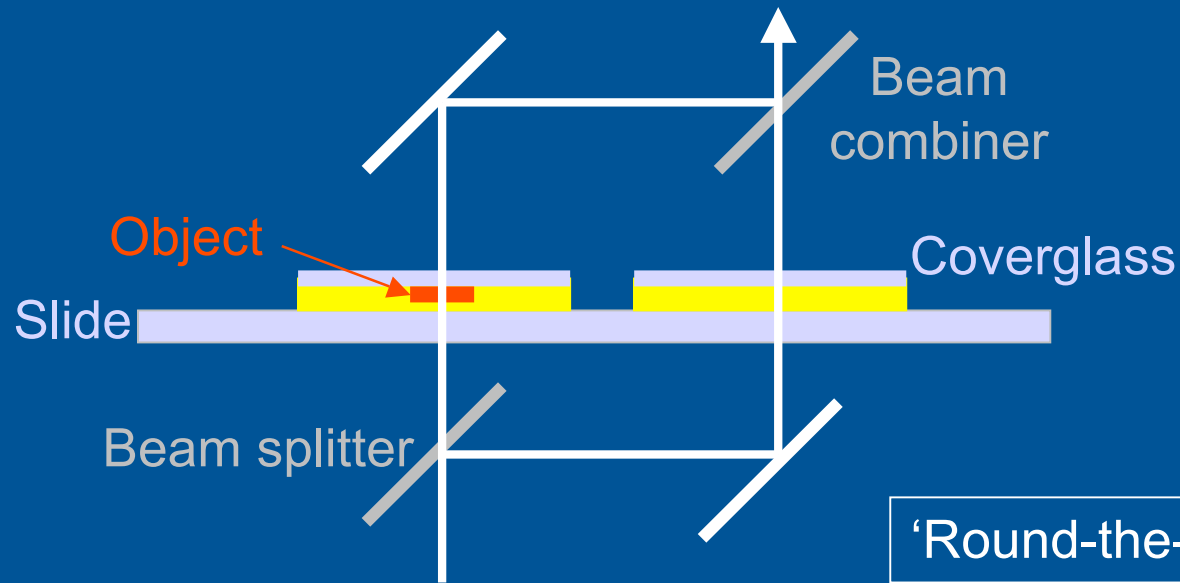
Interference techniques



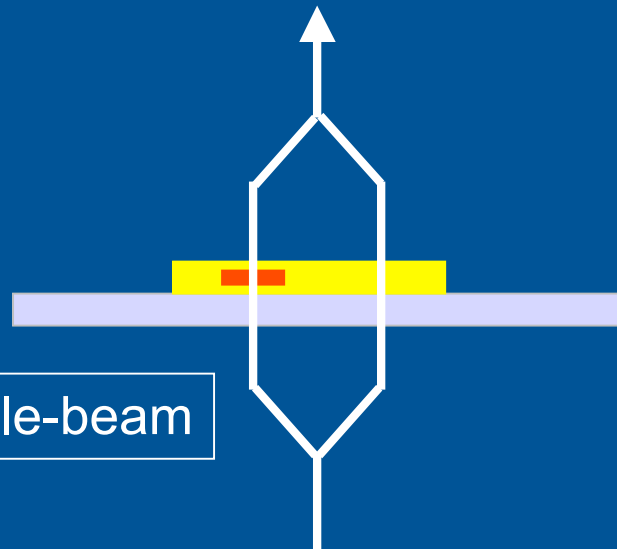
Interference microscopes



Interference microscopes

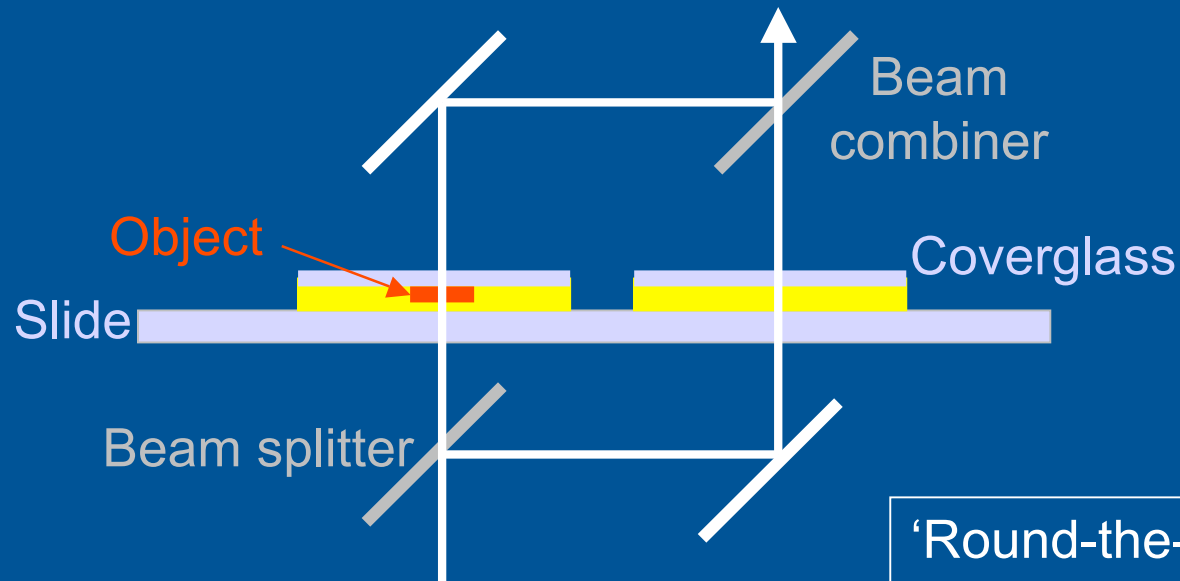


'Round-the-square'

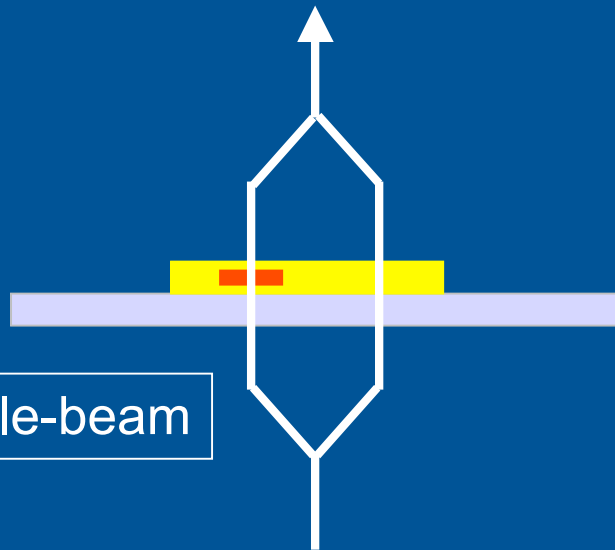


Double-beam

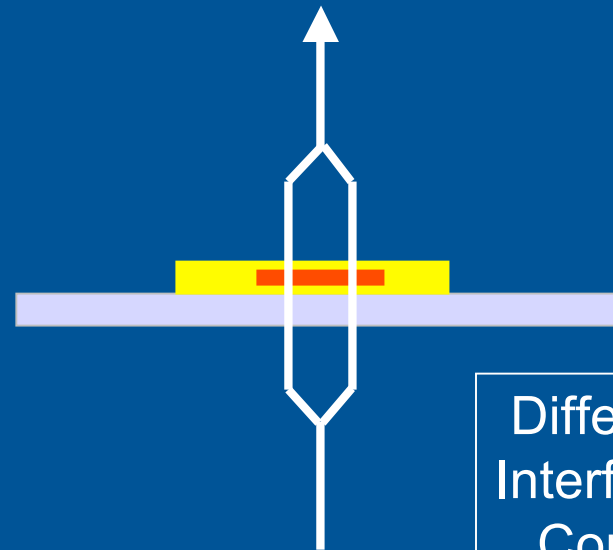
Interference microscopes



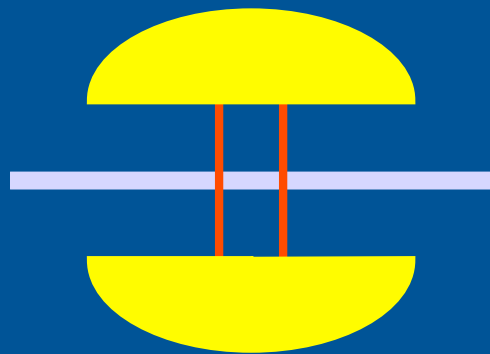
Double-beam



Differential
Interference
Contrast



Differential Interference Contrast

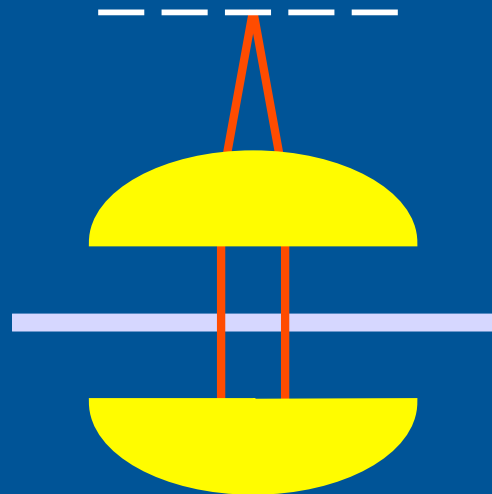


Objective

Specimen

Condenser

Differential Interference Contrast



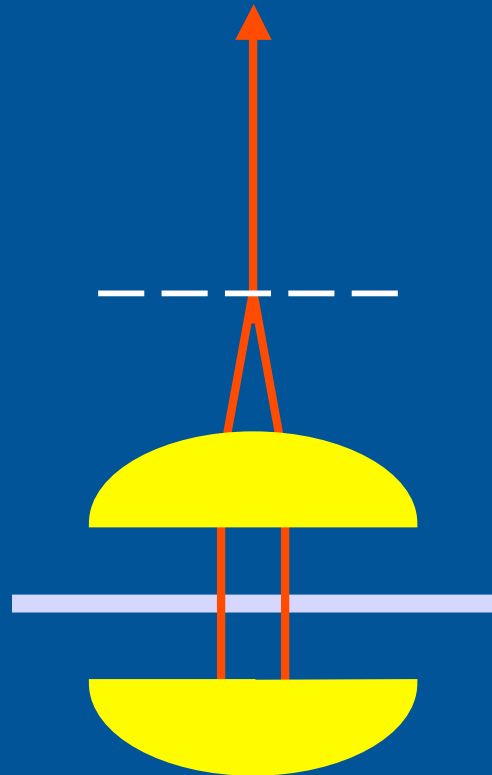
Back focal plane
of objective

Objective

Specimen

Condenser

Differential Interference Contrast



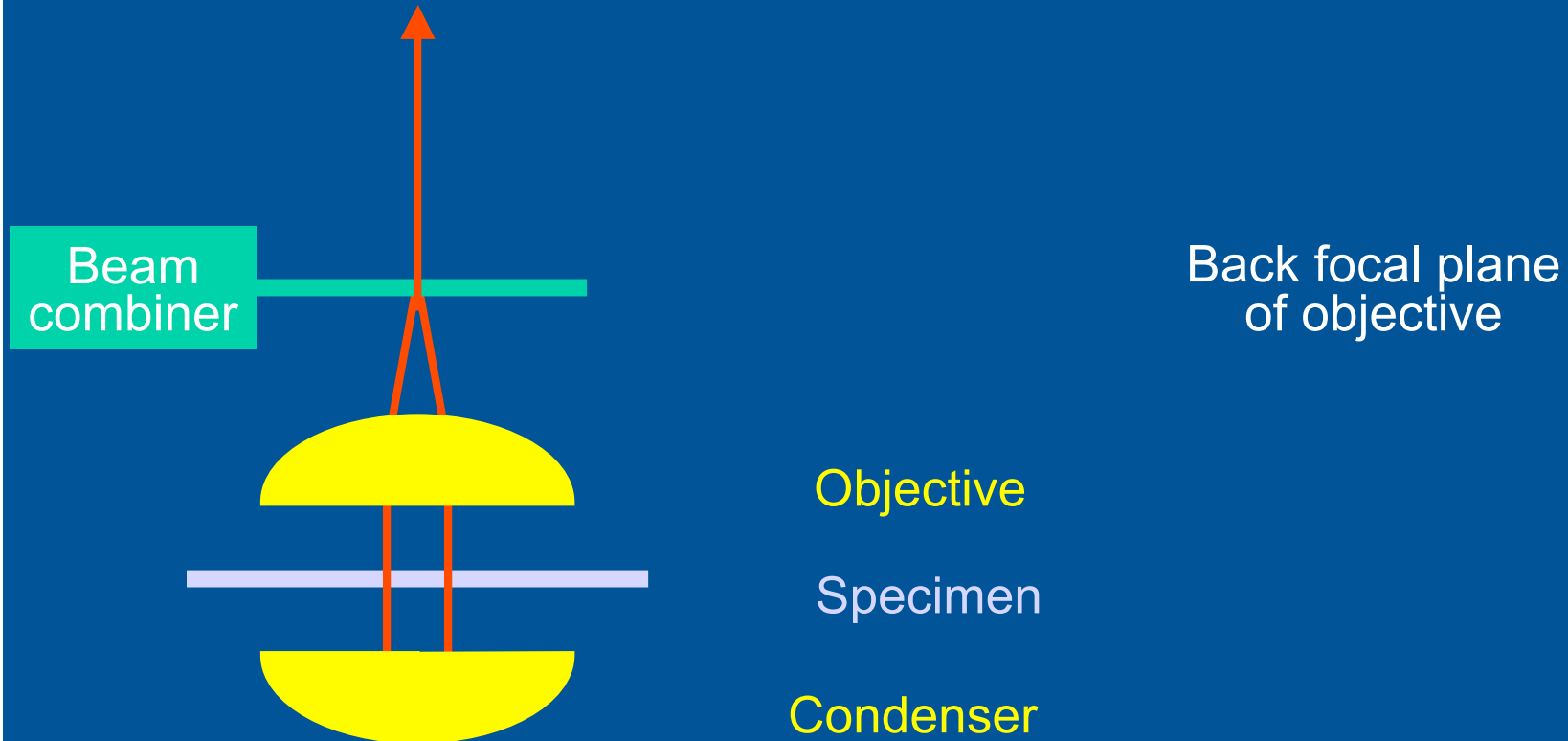
Back focal plane
of objective

Objective

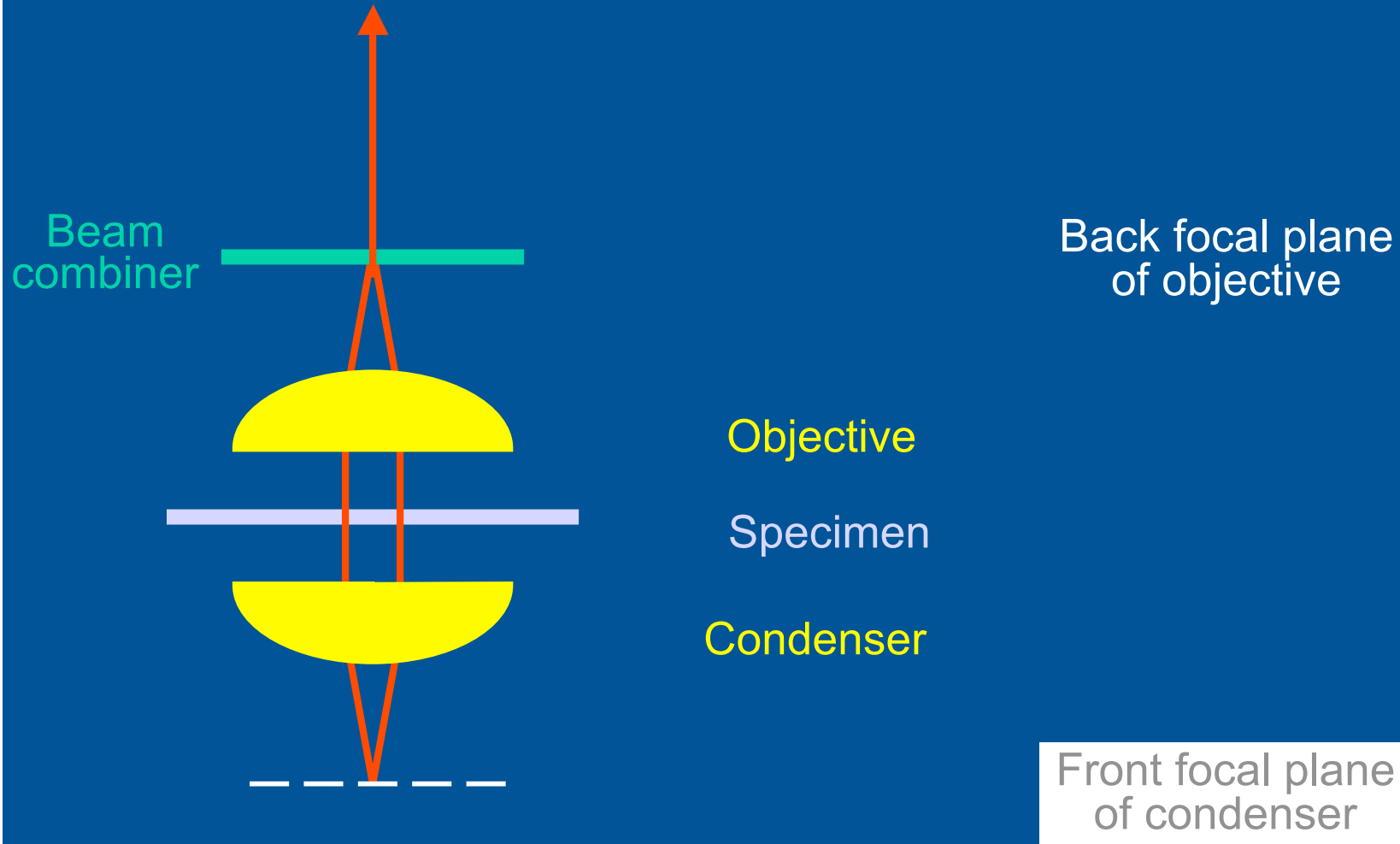
Specimen

Condenser

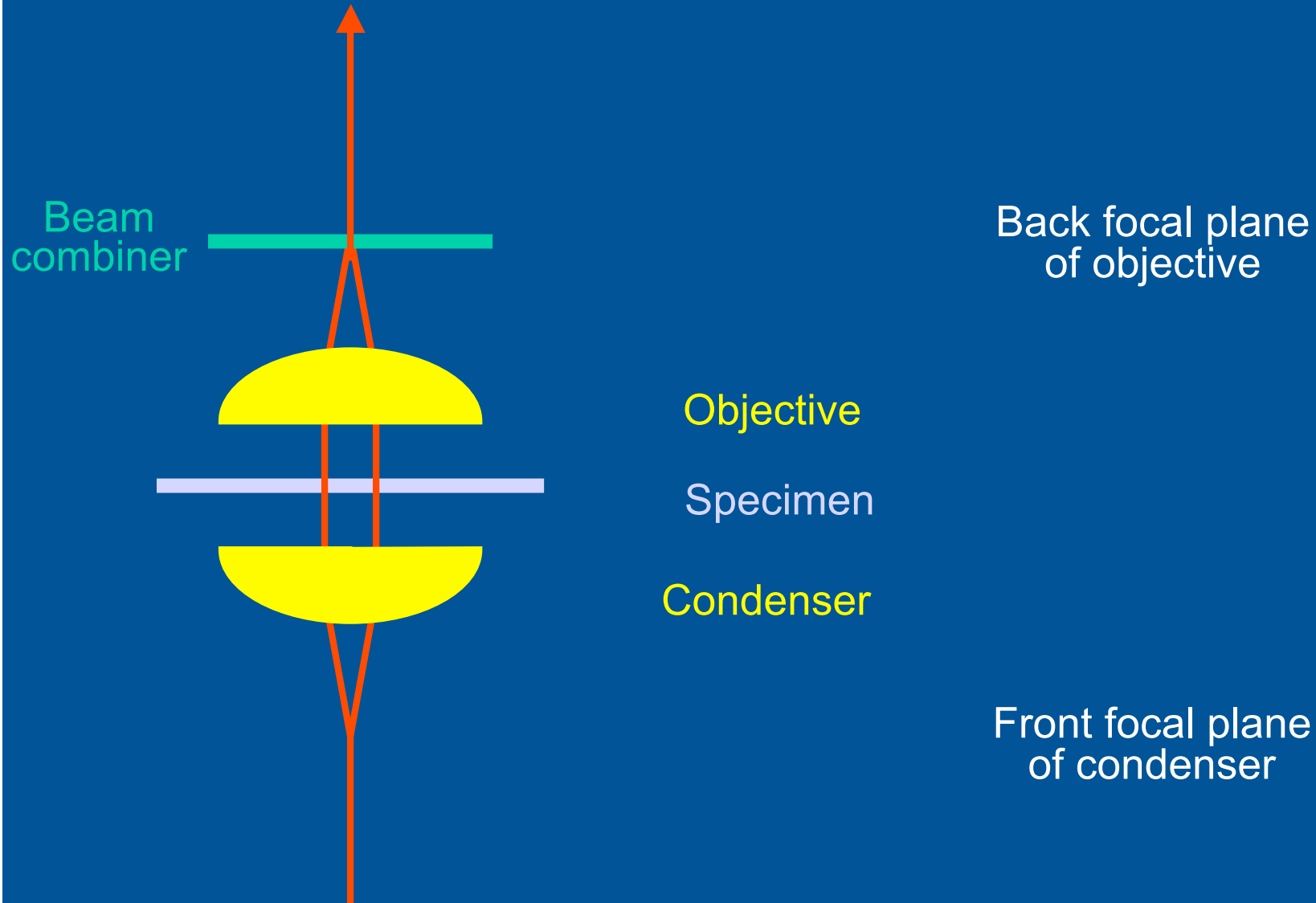
Differential Interference Contrast



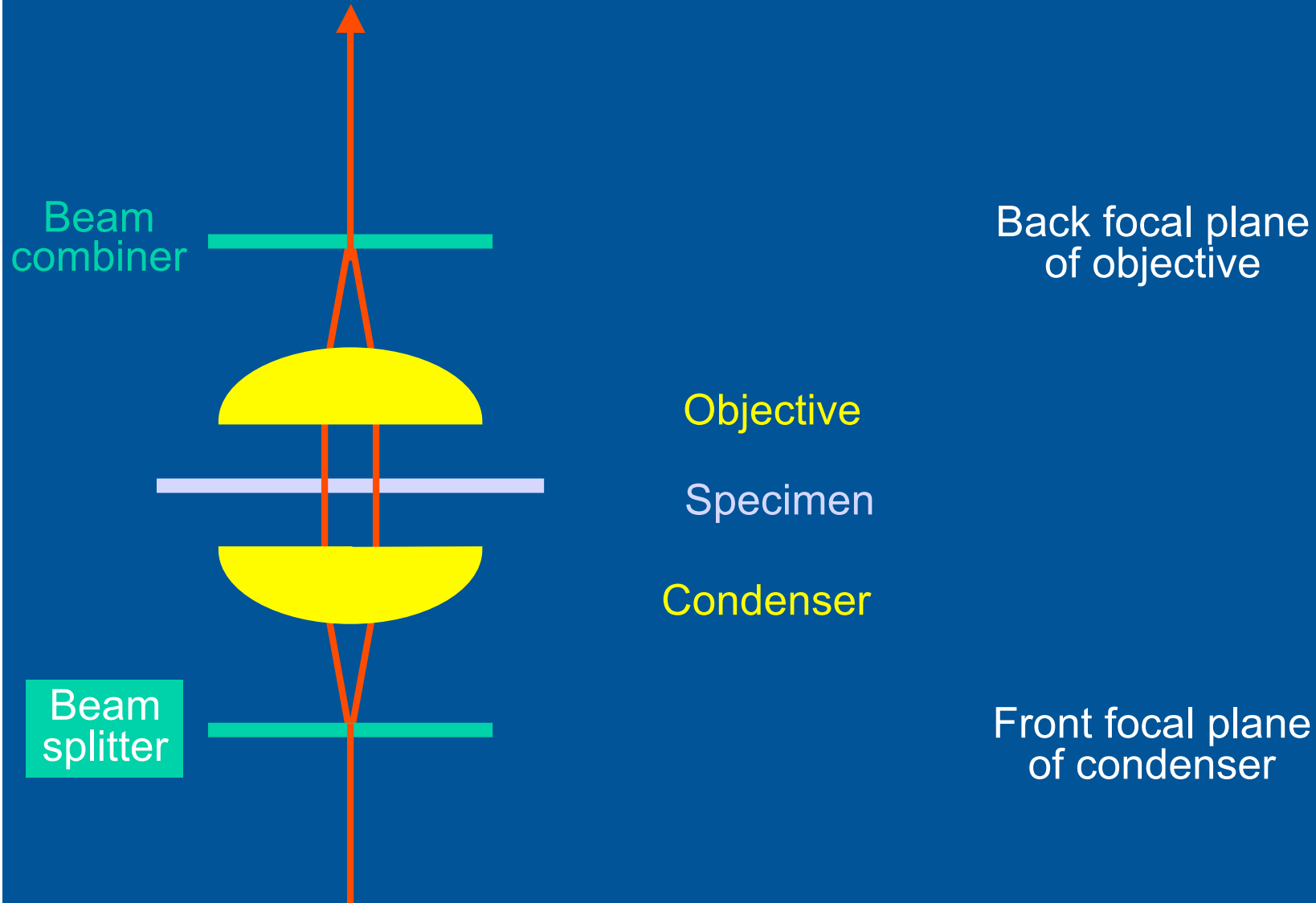
Differential Interference Contrast



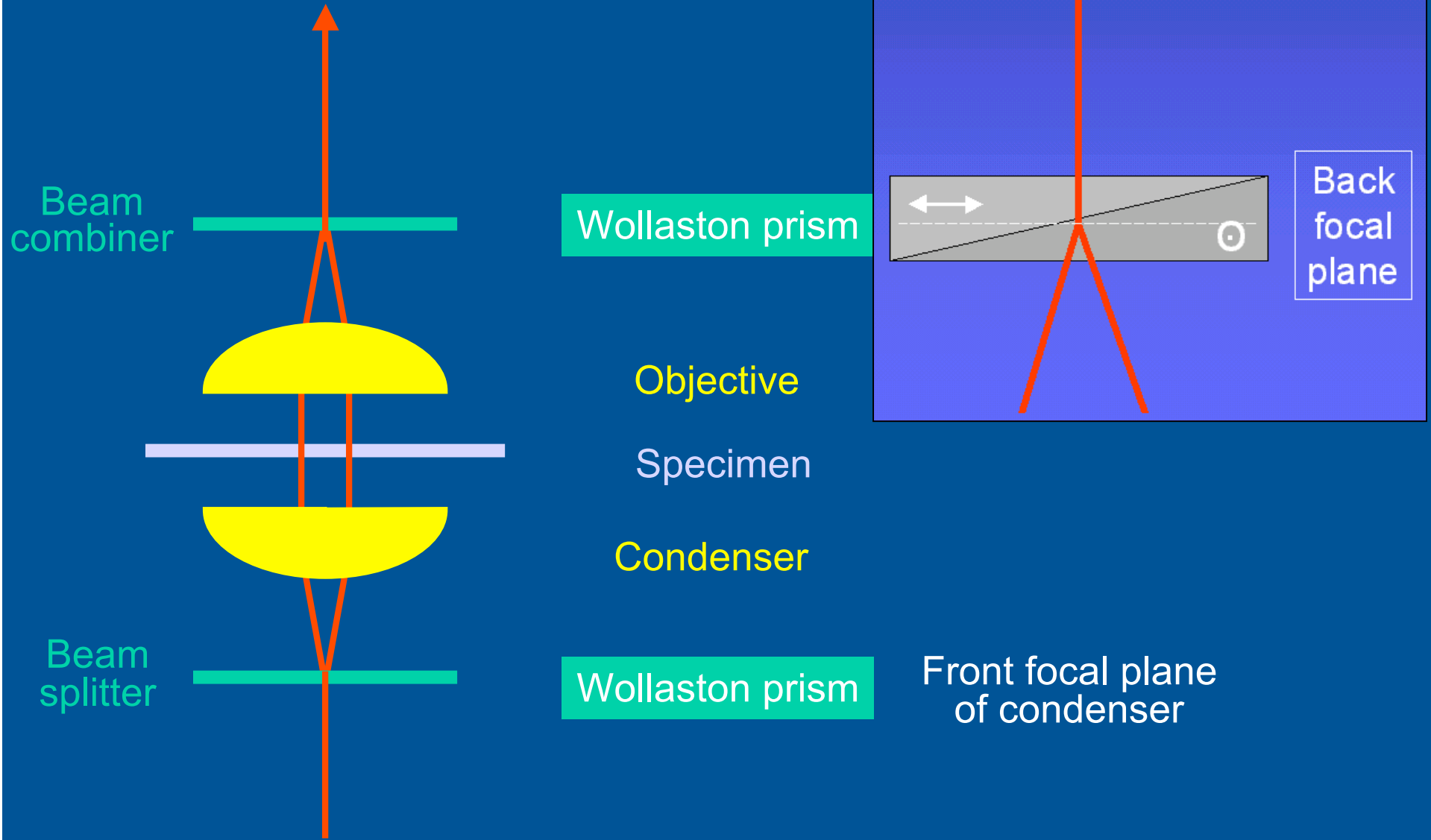
Differential Interference Contrast



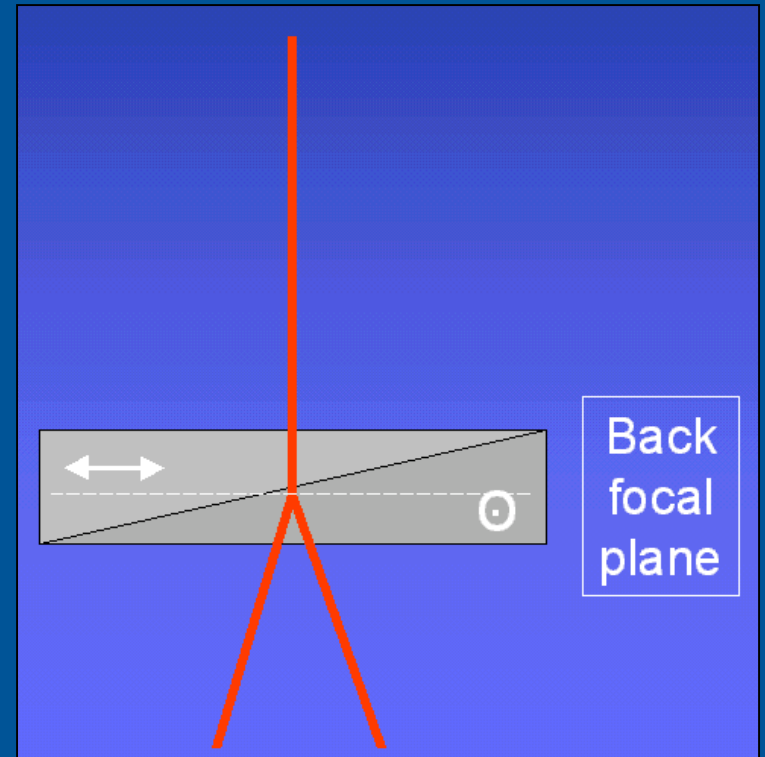
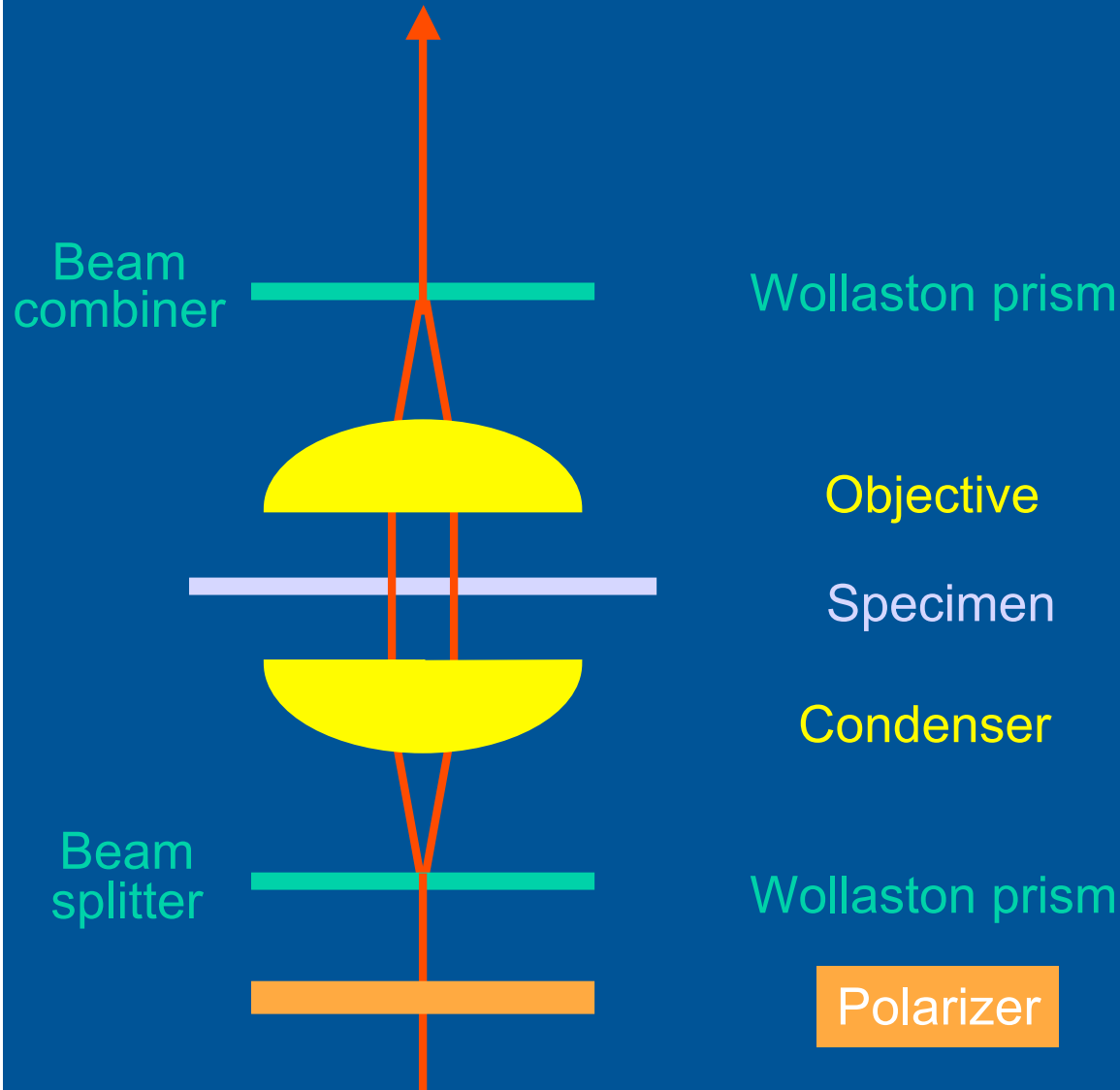
Differential Interference Contrast



Differential Interference Contrast

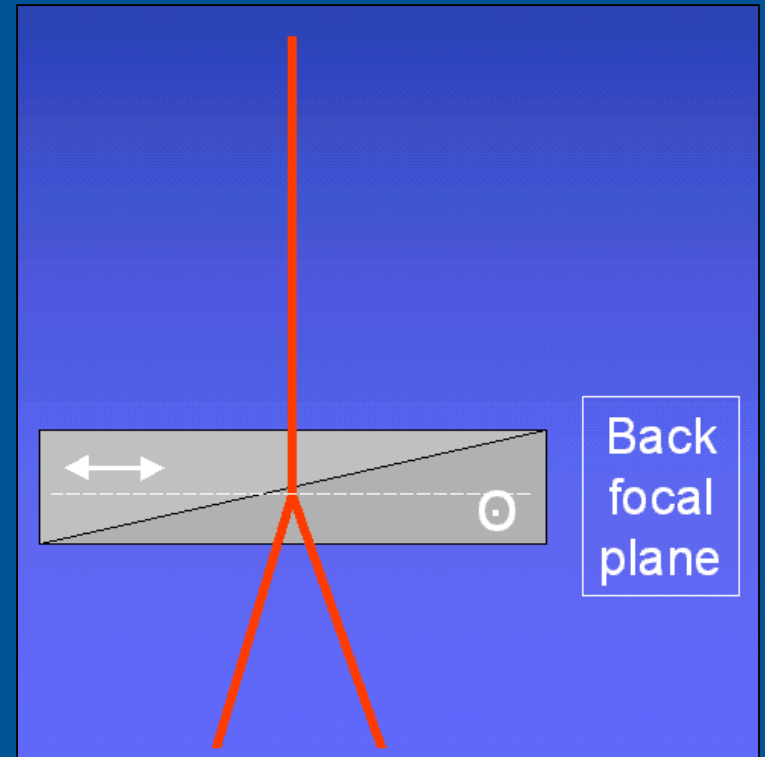
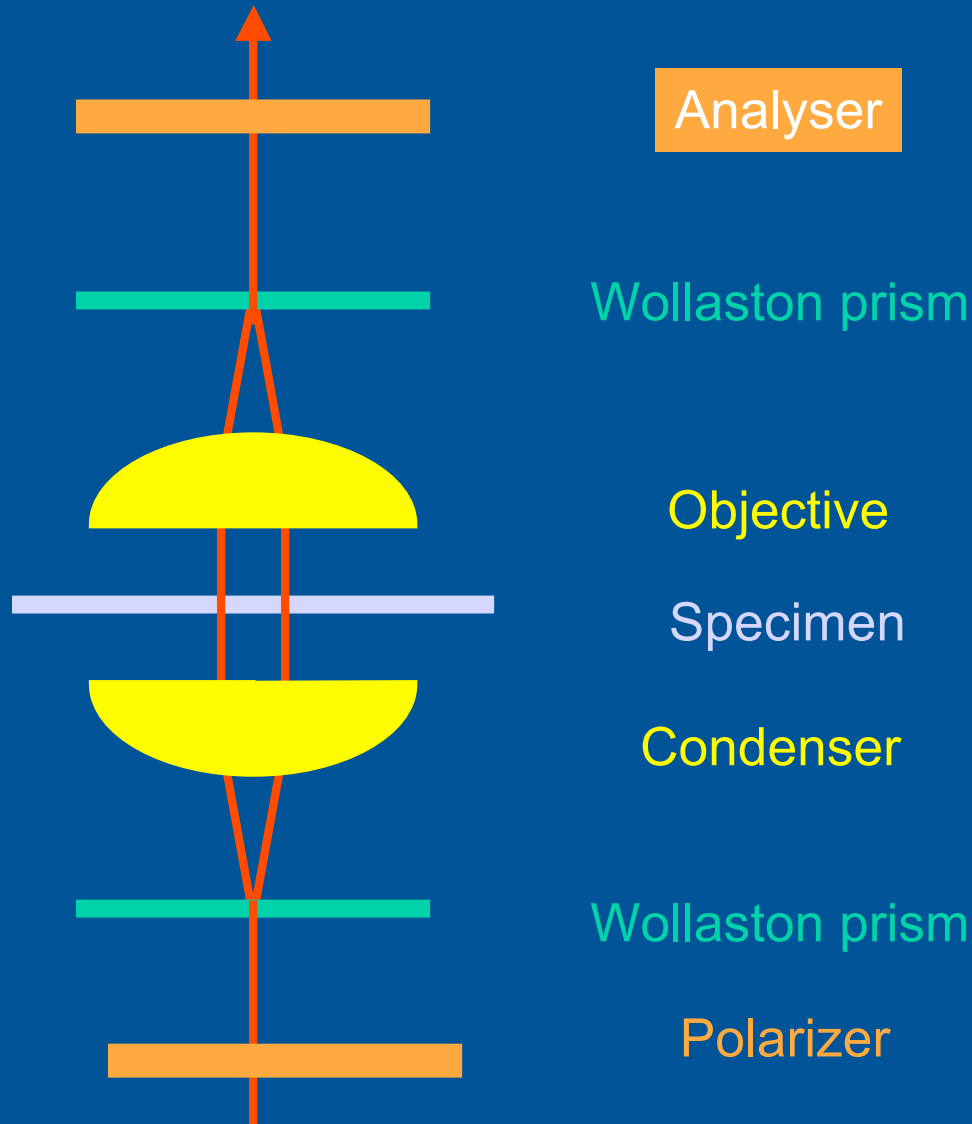


Differential Interference Contrast



Front focal plane of condenser

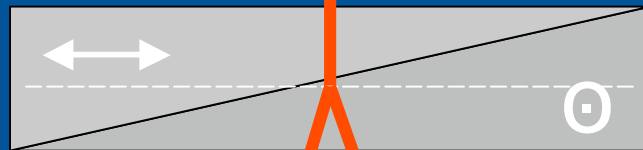
Differential Interference Contrast



Nomarski modified Wollaston prism

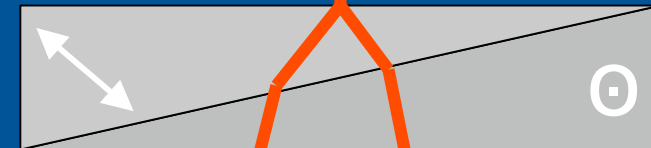
- Placed beyond the back focal plane
- Acts as if in the back focal plane
- Enables normal objectives to be used

Wollaston prism

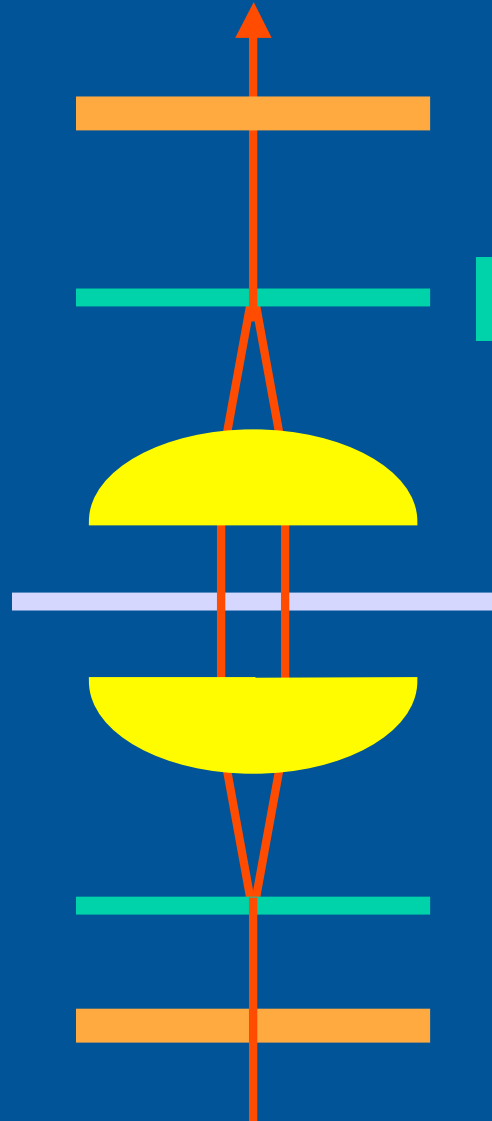


Back focal plane

Nomarski prism



Differential Interference Contrast



Analyser

Nomarski prism

Wollaston prism

Objective

Specimen

Condenser

Wollaston prism

Polarizer

Nomarski Differential Interference Contrast

