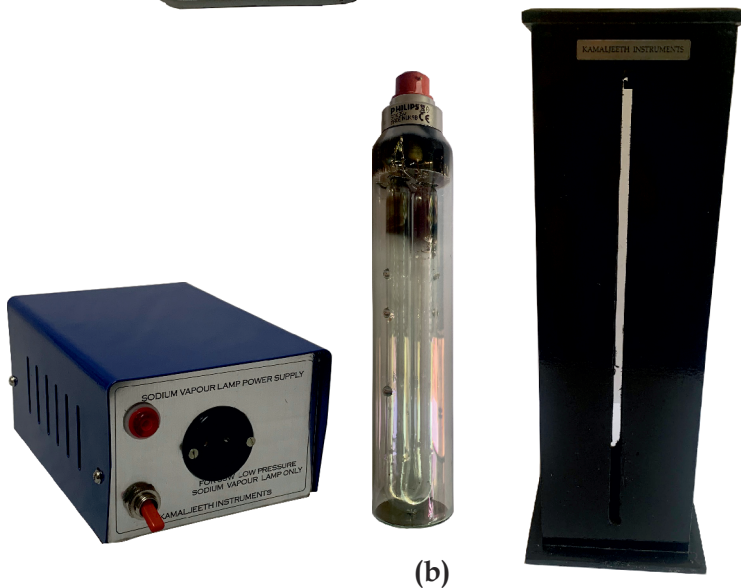
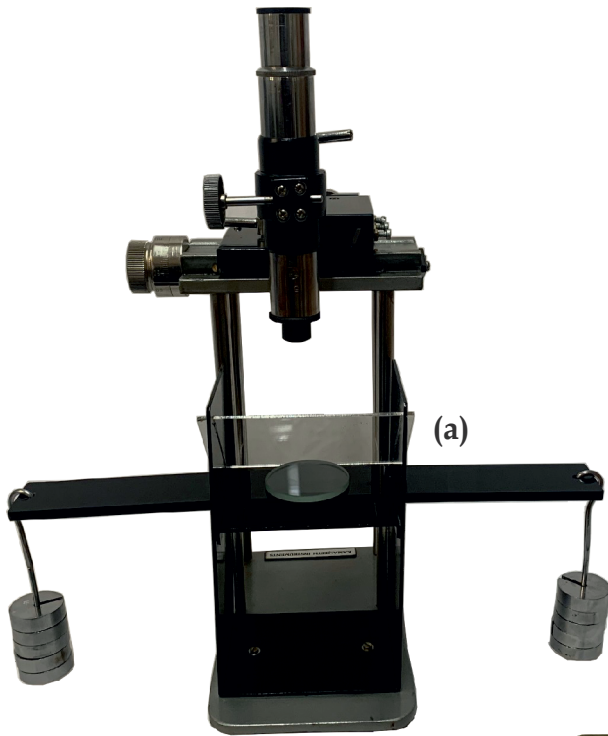


Experiment(s):

1. Cornu's elliptical and hyperbolic fringes and determination of elastic constant of an acrylic beam

(For more details, procedure & manual visit: www.kamaljeeth.net)

Reference : *Lab Experiments Journal vol-3, No.3, Page-207*

**Experiment setup consists:**

- a) Cornu's microscope
- b) Sodium vapour lamp set

Specifications:**a) Cornu's microscope**

Cornu's microscope
 Reflector: 45° fixed acrylic plate
 Base Material: Cast iron
 Height: Fixed
 Focus: Manual
 Moving components: Brass
 Reading: Screw gauge type reading micrometer
 x-movement: 50 mm
 Resolution: 0.01 mm
 y-movement: 50 mm
 Resolution: 0.01 mm

b) Sodium vapour lamp set (Optional)

Lamp: Philips / Thorne 35 W
 Lamp House: Single lamp type with fixed slit openings
 Transformer: 35 W, Instant ON type
 Rated Input: 220 V/50 Hz
 or 110 V/60 Hz



KAMALJEETH INSTRUMENTS

Address: No. 610, 5th main, 8th cross Tatanagar, Bangalore - 560092, INDIA

Website: www.kamaljeeth.net, Email: labexperiments@kamaljeeth.net

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