

Answer on Question #41507 – Physics - Other

Which of the following is NOT a precaution in optical experiments that involve glass blocks?

- a. sharp, thin lines should be drawn to represent the rays
- b. The glass block must be properly replaced on the traced outline
- c. Optical pins must cluster together
- d. Optical pins must be kept erect

Solution:

Keeping optical pins erect, drawing sharp, thin lines that represent the rays and replacing glass blocks on the drawn outlines will increase the accuracy of the experiment, because the angle between the optical pin and plane of the experiment remains constant (90°).

Keeping optical pins widely spaced will reduce uncertainty and increase the accuracy of the experiment, hence, answer c. is correct because optical pin can't clustered together.

Hence, answer is «c. Optical pins must cluster together»

Answer: c. Optical pins must cluster together.

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