

Light & Ray trace

GLASS SLAB OR MIRROR BASED

Problems/difficulties/sources of error/inaccuracy	Precautions
<ul style="list-style-type: none"> • Pins may not be vertical • Difficulty in lining up pins correctly • Pins may be thick • Lines may be thick • Outline around the block larger than the block • In case of mirror experiment: Thickness of mirror 	<ul style="list-style-type: none"> • Ensure pins are vertical • View bases of pins not tops • Large pins separation/pins must be atleast 5 cm apart • Use thin pins • Use thin pencil lines.

LENS EXPERIMENT

Problems/difficulties/sources of error/inaccuracy	Precautions
<ul style="list-style-type: none"> • Image appears well focused only over a small range of lens position • Difficulty in measuring to centre of lens • 	<ul style="list-style-type: none"> • Use dark room • Use brighter lamp • Mark the position of the centre of lens • Place meter rule stuck to the bench/meter rule clamped over the experimental bench • Ensure illuminated objects lens and screen are at same height from the bench • Ensure illuminated objects lens and screen are at perpendicular to the bench • Move screen back and forth to obtain sharpest image • Move lens back and forth to obtain sharpest image • Look perpendicular while reading scale to avoid parallax • Repeat the experiment

Other points:

Q. *Why angle i is not equal to angle r ?*

Ans. protractor is not precise/due to thickness of pins/due to thickness of mirror

Q. *How to measure the height of image perfectly/without error/accurately/without inaccuracy*

- Ruler will make shadow on screen so image will be unseen on the screen.
- Use translucent screen and view from behind
- Use grid on screen
- Use transparent ruler.
- Fix ruler on screen.

Igcse Physics Paper 6 Notes

R Barnett



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Reviewing **Igcse Physics Paper 6 Notes**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Igcse Physics Paper 6 Notes**," an enthralling opus penned by a very acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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