Thick-Lens Optics; An Elementary Treatise for the Student and the Amateur

By Arthur Latham Baker

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1912 Excerpt: . distance between image and object, a = distance between the two positions of the lens when giving a distinct image, the object and screen remaining fixed. Proof.--The distances of object and image from the lens are 5 (i + a) and (I--a), whence (17), 1 2 2 41 / 1-a 1 + a l2-a2 132. From Equality of Object and Image.--Distance between object and image = 4/. (See 37, Ex. 2.) 133. Comparison of Images.--A candle (or illuminated aperture) is placed a distance a from a screen and the image focussed on the screen. On moving the lens towards the candle another image is formed which is m times as large as the former. a Vm The focal length = FOCAL LENGTH OF THICK POSITIVE LENS 134. From Highly Magnified Image. I f = vL + l I = length of a division of...

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