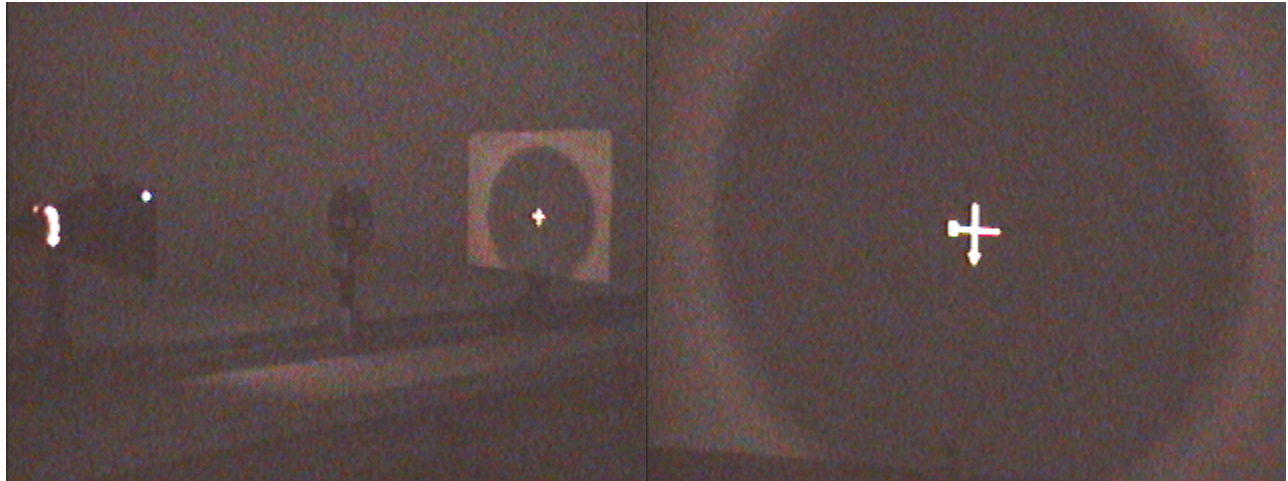


## Question #111

Using the optical setup shown in the photograph at the left below, a lighted "cross" object is imaged by a lens onto a screen. A close-up of the image is shown at the right. Note that the image is real and inverted, so the arrowhead is pointed upward in the object and the little square is at the right of the object.



While the setup remains the same, a paper baffle is placed onto the lens so that it blocks any light from passing through the right half of the lens (as you look along the optic axis in the direction that the light is propagating), as seen in the photograph below.



The question this week involves how (if at all) the baffle effects the image.

After the baffle is placed on the lens,

- (a) the image will be brighter.
- (b) the image will be dimmer.
- (c) the right side of the image will be missing.
- (d) the left side of the image will be missing.
- (e) the image will be the same.

Click here for [Answer #111](#) after April 8, 2002.

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For questions and comments regarding the *Question of the Week* contact [Dr. Richard E. Berg](#) by e-mail or using phone number or regular mail address given on the [Lecture-Demonstration Home Page](#).