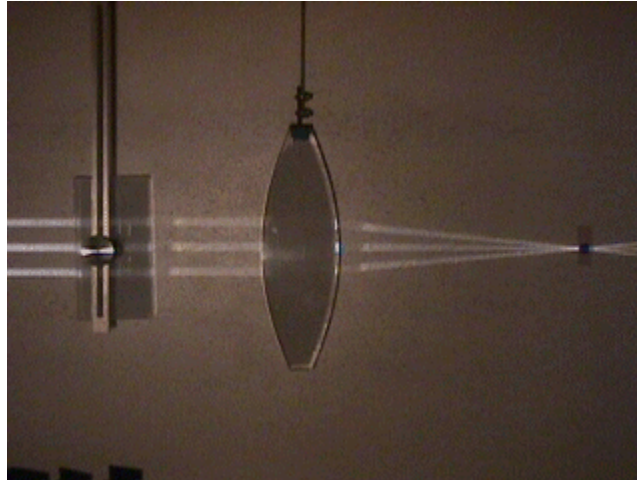
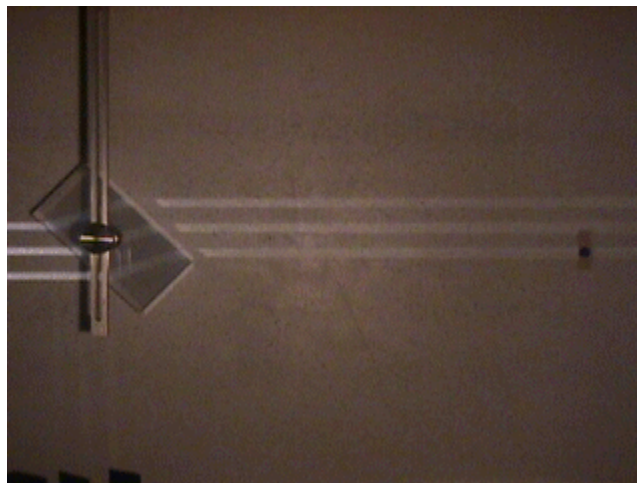


Question #4

The figure below shows three parallel horizontal light rays moving from left to right, passing through a rectangular block of plexiglass and focused to a point by a plexiglass lens. The focal point is marked by a large dark dot.



If the rectangular block is rotated counterclockwise, the rays will be displaced upward, but continue on parallel to each other and horizontal, as seen in the figure below with the lens removed. Note that the vertical position of the focus (the dot) is along the lower of the three rays.



Now suppose that the lens is left in place when the rectangular block is rotated. What will happen to the position of the focus?

- (a) The focus will move UPWARD.
- (b) The focus will move DOWNWARD.
- (c) The focus will remain in the same position.

Click here for [Answer #4](#)

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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](#).