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1 Procedure

...One mark was made as far from the petri dish as possible; the other was about an inch from the petri dish. 1

...Nonetheless, lines from the center point were extended through the points of incidence and refraction. 1

2 Error Analysis

1: The uncertainty this adds to the uncertainty of theta is one degree.

1: The position of the circle's center increases the uncertainty of theta by another degree.