

Upward beam splitter malfunction



Overview

Refocus optics by changing z-height (focus on lines) Decide which A-line, overlaps which B-line Is A up or down relative to B ?

Switch OFF pickup tool vacuum before pickup Touchdown tool onto scale A-switch ON vacuum. Raise arm with scale A Check alignment is as before - perfectly. My light source is beamed onto a 50/50 beam splitter behind which sits my camera but I cannot seem to eliminate ghosting from the surface of the beamsplitter. I am not getting a usable image and would hugely appreciate some help. However, depending on the orientation of my wedge beamsplitter, (but always with the beamsplitter coating facing the part) I. Beamsplitters are optical components used to split incident light at a designated ratio into two separate beams. Beamsplitters are often classified according to their construction: cube or plate. A beamsplitter is a common optical component that partially transmits and partially reflects an incident light beam, usually in unequal proportions. Is there any way I could solve this?

Thank you! My Model: My Lens Data: Best answer by David. Nguyen Hi, I have

looked at your file and made the following modifications for the respective configurations. Ensure that line #6 of A is between lines 10 & 11 of B.

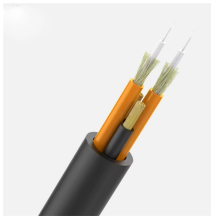
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Align the outer lines of scales in both x and y axes. Ensure that line #6 of A is between lines 10 & 11 of B. If not repeat When finished, only outside lines of both scales should directly overlap (they are ...



The set up is either: Camera lens - beam splitter - camera x2 Or, Beam splitter - (lens + camera) x2 I want to be able to take 2x photos at once, so the light has to go through the beam splitter. I used the ...



Beamsplitters are generally effective at reflecting s-polarization but they are not as effective at preventing p-polarization from reflecting. This occurs because when s-polarized light hits the ...



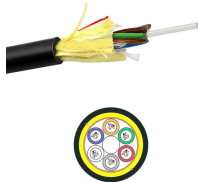
I am trying to build a coaxial microscope with a camera as a college project but am having trouble with the beamsplitter. My light source is beamed onto a 50/50 beam splitter behind ...



In my case I needed a plate BS in a weakly converging beam. Adjust the wedge so that the ghost is "thrown" just off the camera. By adjusting the wedge and the thickness, you can also correct for the ...



One of the most serious consequences of using dielectric coatings for beamsplitter fabrication is the unequal transmission and reflection for p and s (parallel and perpendicular) polarization components ...



Now, I want to know what happens to the angles of the output beam when the cube is not aligned to the optical axis, as shown below. I could find that the reflectivity/transmittance deviate from ...



In Sequential mode, whenever you split the beam, you almost inevitably have to make a new configuration. Similar to what you did for the very first cube. And if the paths are not ...



I have a concern that a plate beam splitter is warped structurally and causing ghost images (double images) of the object. What's the best way to model and simulate this scenario?



I used an iris between the beamsplitter and the mirror to confirm there is only one beam there. The spot on the blocked arm shows what I expect; a primary spot and one ghost spot.

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