NEXT-TIME QUESTION



Suppose you want to send a beam of laser light to a space station above the atmosphere and just above the horizon. You should aim your laser

- a) slightly higher than
- b) slightly lower than
- c) directly along

the line of sight to the space station.



CONCEPTUAL Physics

Suppose you want to send a beam of laser light to a space station above the atmosphere and just above the horizon. You should aim your laser

- a) slightly higher than
- b) slightly lower than
- c) directly along

the line of sight to the space station.

Answer: c, directly along

To send light to the space station, make no corrections and simply aim at the station you see. All deviations due

refraction in your line of sight will be the same for your laser beam —principle of reciprocity.

How about if the laser is red and the space station blue?