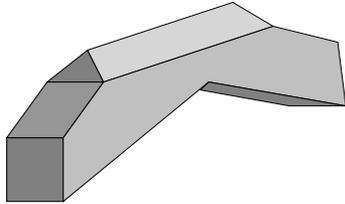


Tunnel Diagrams for Non-Dispersive Prisms

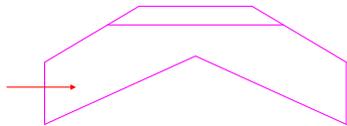
General Procedure



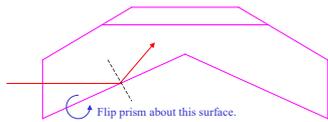
- 1) Draw a planar representation of the prism with a ray entering the left side.
- 2) Trace the ray through the prism to the first surface.
- 3) Flip prism about this surface. The ray should continue into the next prism without deviation.
- 4) Trace the ray through the flipped prism until the next surface is encountered.
- 5) Repeat steps 3 and 4 until the ray leaves the prism.

Example

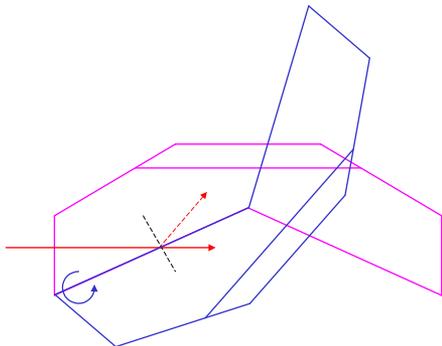
1) Draw a block diagram of the prism with light entering the first surface from left to right.



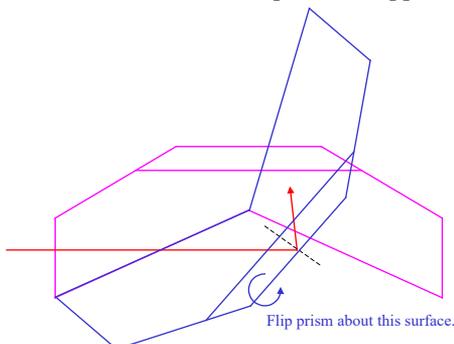
2) Trace ray to first surface. This will be the first surface about which the prism is flipped.



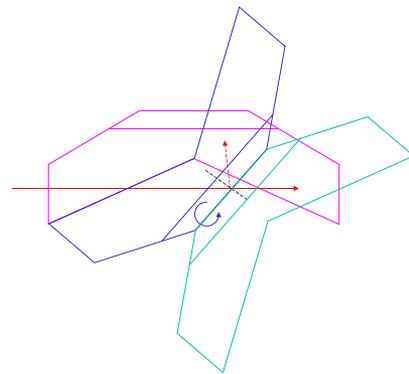
3) Flip prism about the determined surface. Ray in tunnel diagram will remain straight.



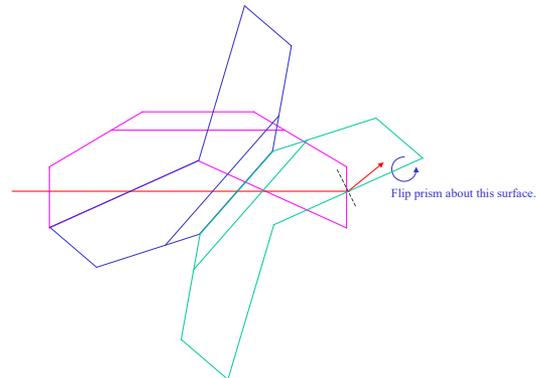
4) Trace ray to next surface. This will be the second surface about which the prism is flipped.



5) Flip prism about this next surface.



6) Trace ray to next surface. This will be the new surface to flip the prism.



7) For this prism, this is the end of the tunnel diagram.

