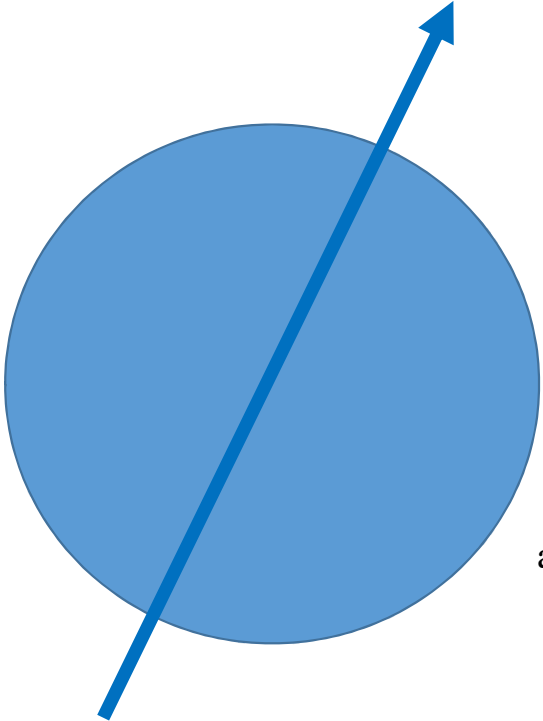
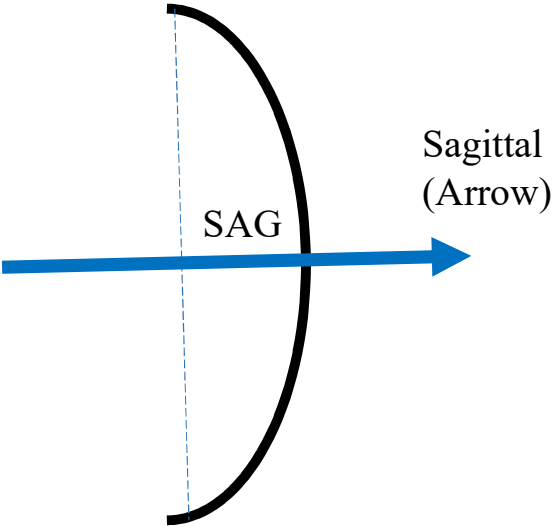


Terminology



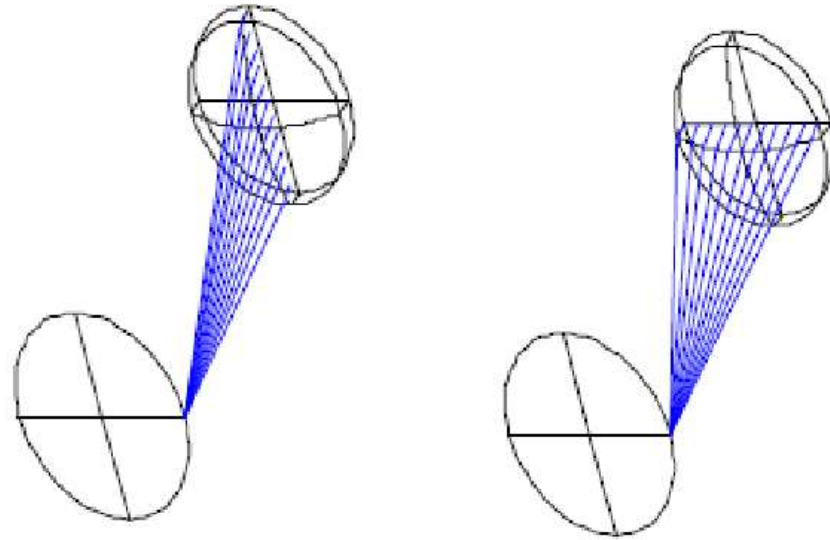
Meridional plane contains the optical axis.

Tangential plane is also used for meridional Plane.

A meridional plane contains the optical axis.
Meridional rays are in a meridional plane and require only 2D to trace them.
Meridional rays are specified by $\varphi=0^\circ$

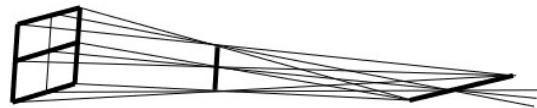
A sagittal plane is perpendicular to the meridional plane and contains the chief ray. First-order sagittal rays are in a sagittal plane and are specified by $\varphi=90^\circ$

Meridional and Sagittal planes



- A meridional plane contains the optical axis
- Sagittal from the Latin meaning arrow

Astigmatic line segments



Meridional line segment
Located at sagittal rays
Focus.

Transverse line segment
Located at meridional rays
Focus.

