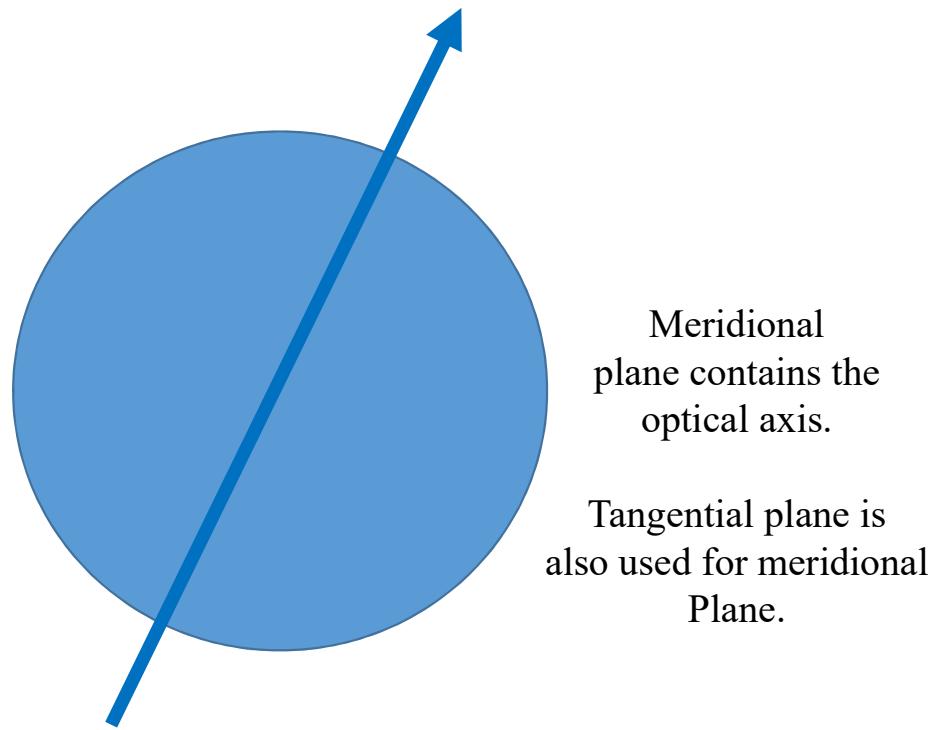
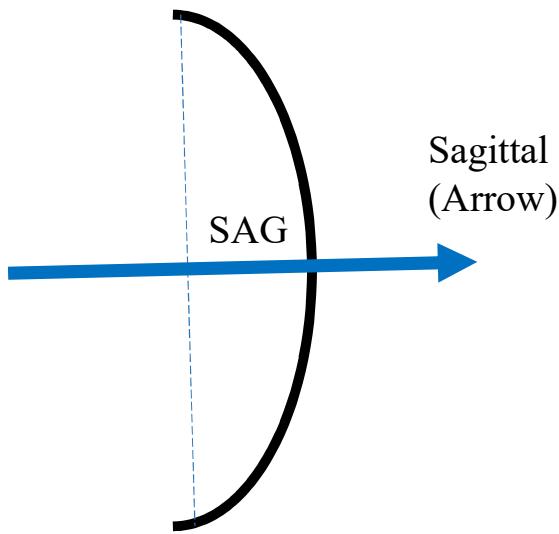


Terminology



Meridional
plane contains the
optical axis.

Tangential plane is
also used for meridional
Plane.

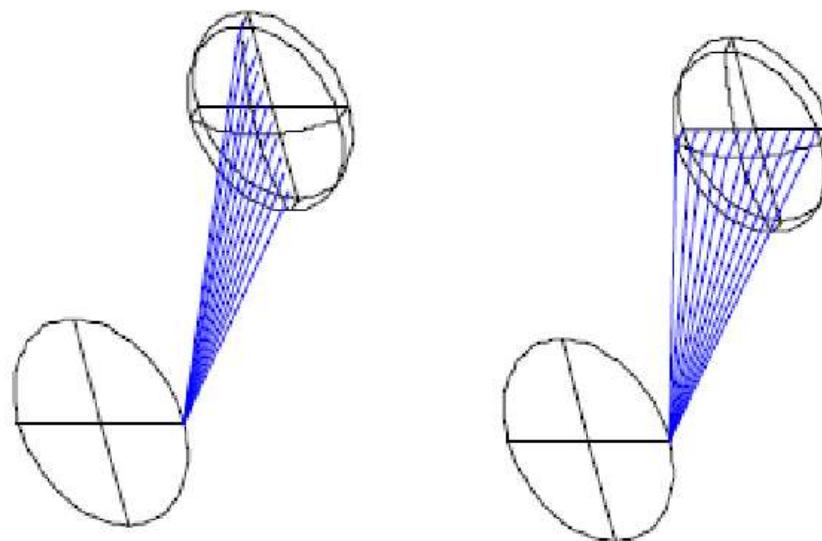
A meridional plane contains the optical axis.

Meridional rays are in a meridional plane and require only 2D to trace them.

Meridional rays are specified by $\varphi=0^\circ$

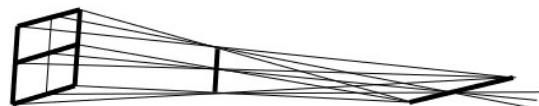
A sagittal plane is perpendicular to the meridional plane and contains the chief ray. First-order sagittal rays are in a sagittal plane and are specified by $\varphi=90^\circ$

Meridional and Sagittal planes

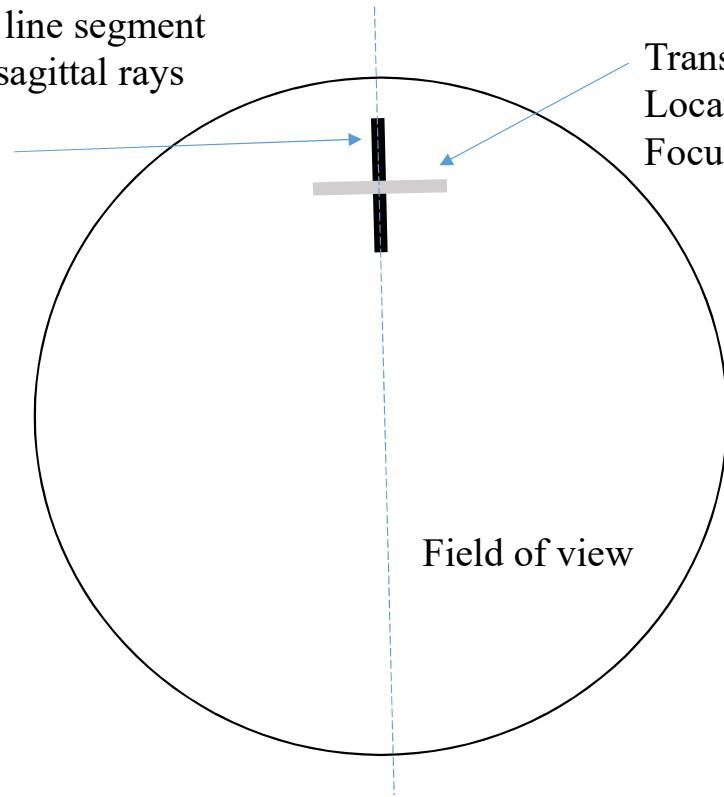


- A meridional plane contains the optical axis
- Sagittal from the Latin meaning arrow

Astigmatic line segments



Meridional line segment
Located at sagittal rays
Focus.



Transverse line segment
Located at meridional rays
Focus.

Field of view