

AST1.2 Horizontal system

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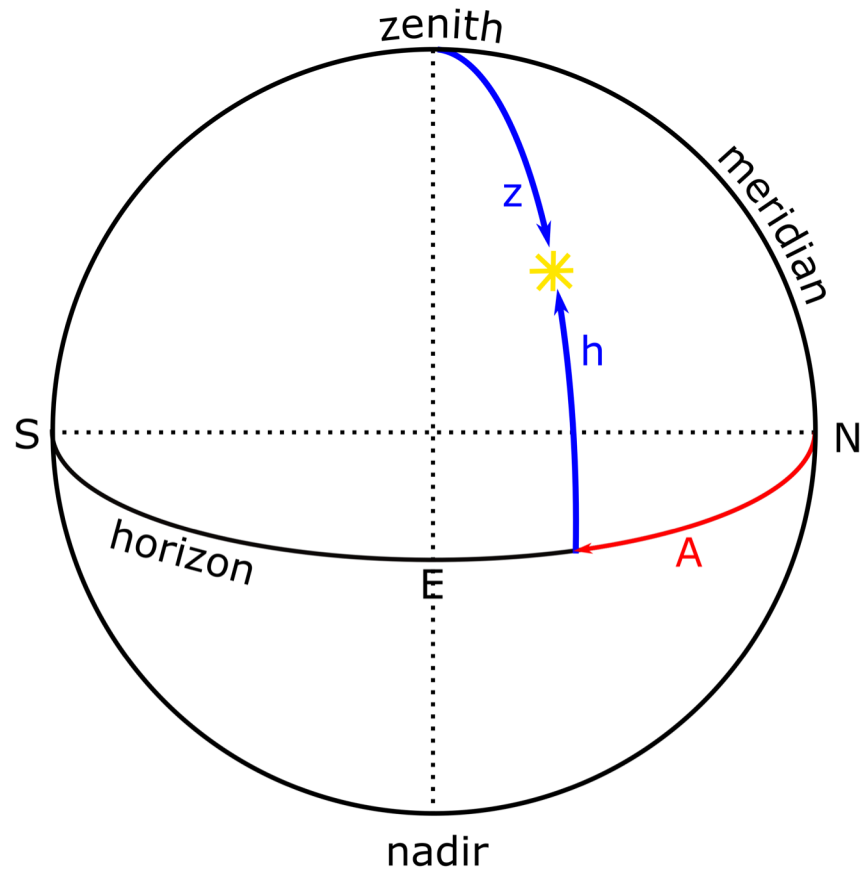
DaSCH
Swiss National Data and
Service Center for the
Humanities

Horizon coordinate system

- base circle: local horizon
- azimuth A
- altitude h or zenith distance z

$$z = 90^\circ - h$$

- coordinates measured in degrees ($^\circ$), minutes of arc ($'$) and seconds of arc ($''$)



Advantages and disadvantages



- ✓ directly describe the direction in which a celestial body can be found from the observation point
- ✓ positive value of altitude h means that star is visible
- horizontal coordinates depend on the observation location and the observation time

Credits



Author

- Rita Gautschy, University of Basel (2022)

Concept SEACTeach

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Design

- Front and banner image: Gaia's Milky Way, © ESA, Gaia, DPAC
- Presentation template based on Isabella by SlidesCarnival