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ASTR108: Descriptive Astronomy

In-Class 2: Star Motion

January 30, 2008

In the figure below, assume that the zenith shown is for 45° North latitude.

A) Looking at the figure, what is the range of latitudes of stars that never rise.

B) Describe where a star that is above the horizon for greater than 12 hours rises and sets. Mark these points on the figure.

C) Describe where a star that is above the horizon for exactly 12 hours rises and sets mark these points on the figure.



