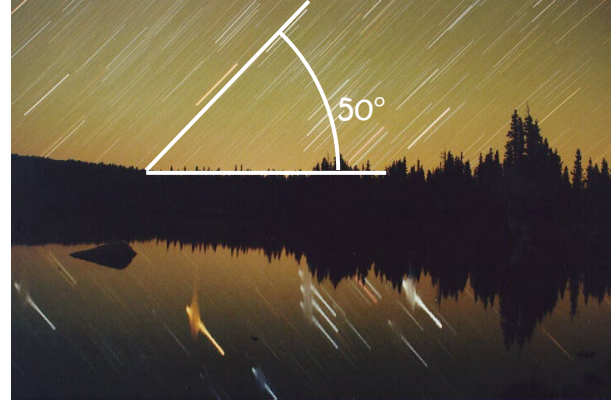


Star Trails

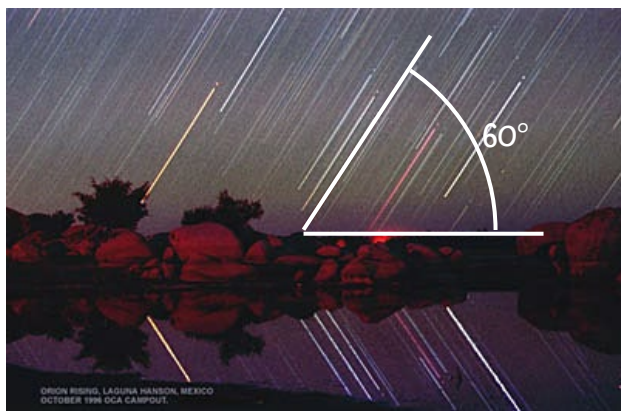
Unless you are at the equator or one of the poles, the stars rise from (and set towards) the horizon along paths parallel to the celestial equator. For the following images, use a protractor to determine the latitude of the photograph (measure the straightest star trail on the photo).¹²



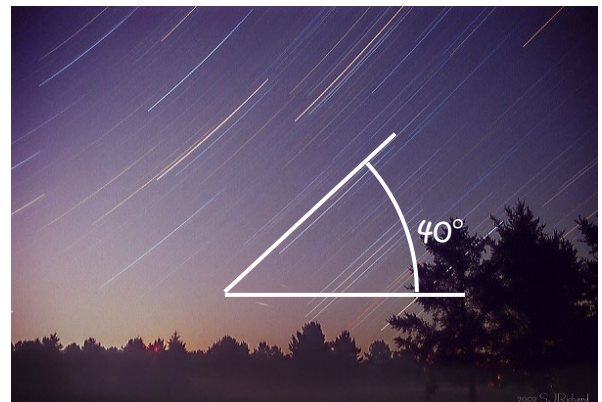
Latitude: $90 - 35 = 55^\circ$ **N** *Don't neglect the hemisphere!*



Latitude: $90 - 50 = 40^\circ$ **N**



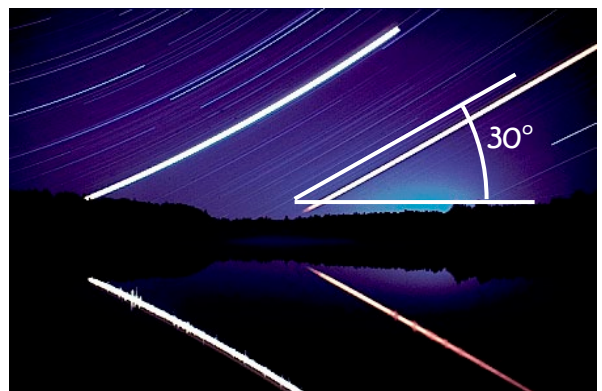
Latitude: $90 - 60 = 30^\circ$ **N**



Latitude: $90 - 40 = 50^\circ$ **N**



Latitude: $90 - 60 = 30^\circ$ **N**



Latitude: $90 - 30 = 60^\circ$ **N**