Approximately 53 Degrees
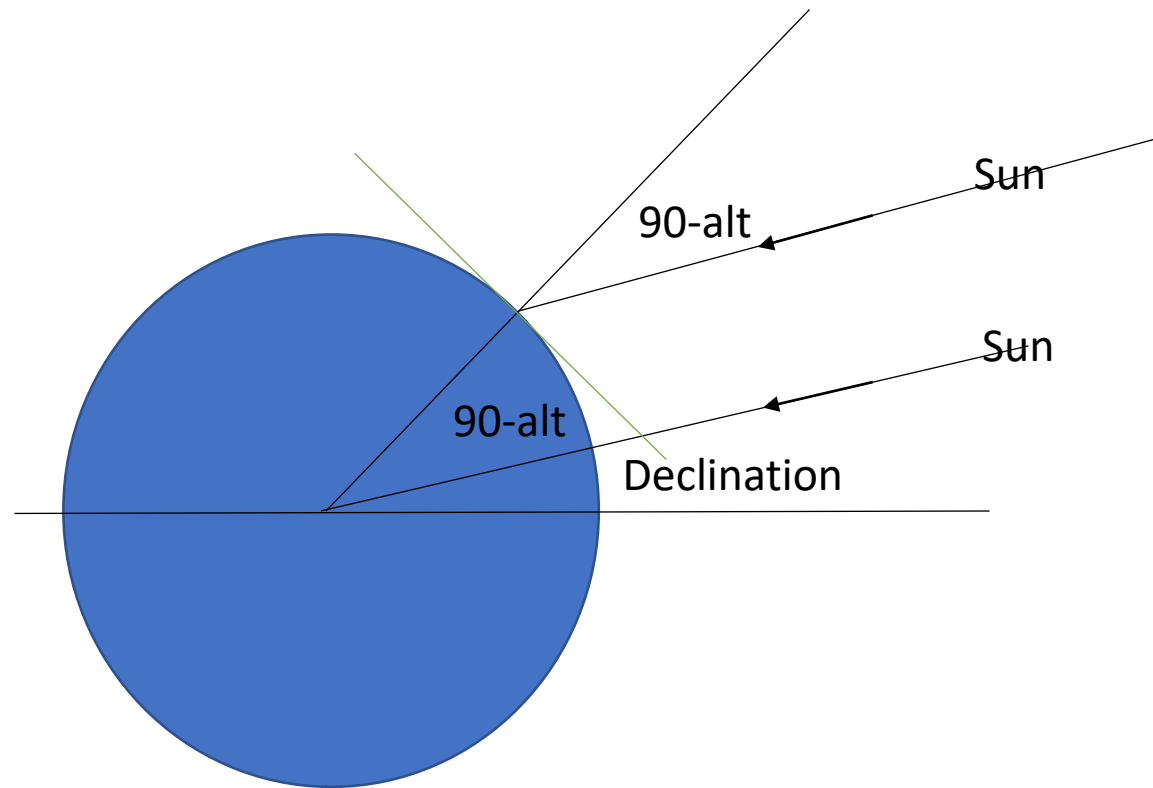
Latitude=declination+90-alt
At noon at midsummer
Latitude= 23.5+90-53 =60.5
I.e. below 60.5 latitude at noon in midsummer, the shadow will not reach as far as the numbers.