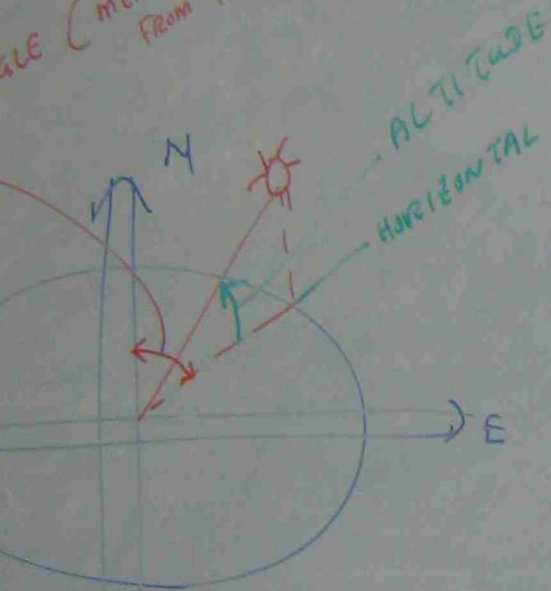
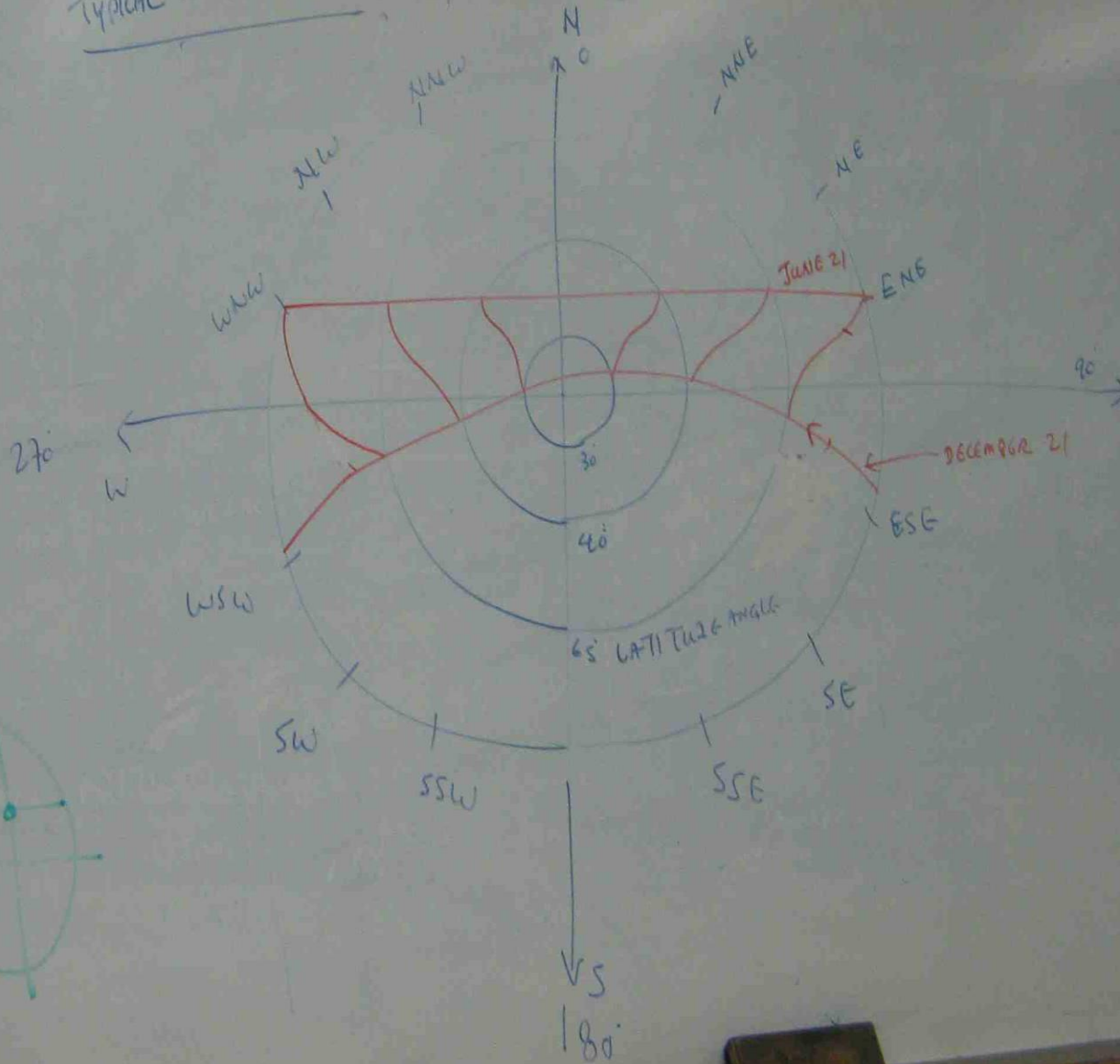


AND AZIMUTH ANGLES

ANGLE (MEASURED FROM NORTH)



TYPICAL SUN PATH DIAGRAM



CONVERSION OF SOLAR TIME & STANDARD TIME

$$\text{STANDARD TIME} = \text{SOLAR TIME} - 4 \left(L_{\text{Loc}} - L_{\text{ST}} \right) + E$$

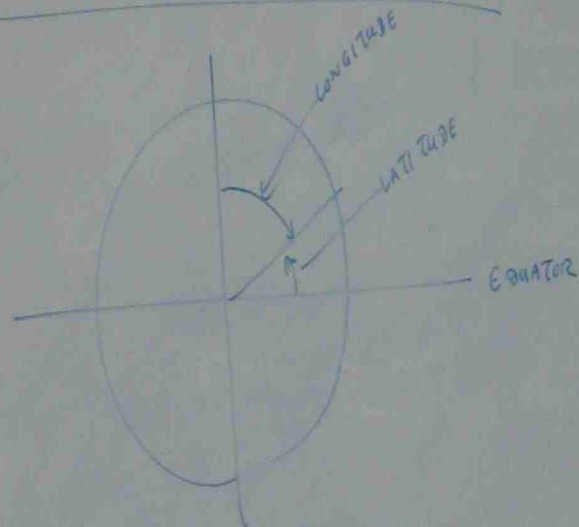
L_{Loc} = LATITUDE ANGLE OF LOCATION

L_{ST} = LATITUDE ANGLE FOR STANDARD MERIDIAN

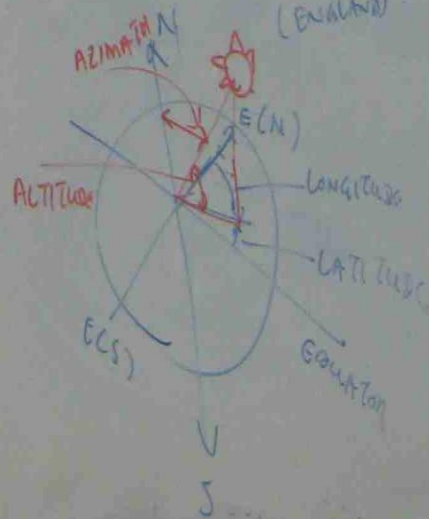
E = EQUATION OF TIME CORRECTION

$$\text{SOLAR TIME} = \text{STANDARD TIME} + 4 \left(L_{\text{Loc}} - L_{\text{ST}} \right) - E$$

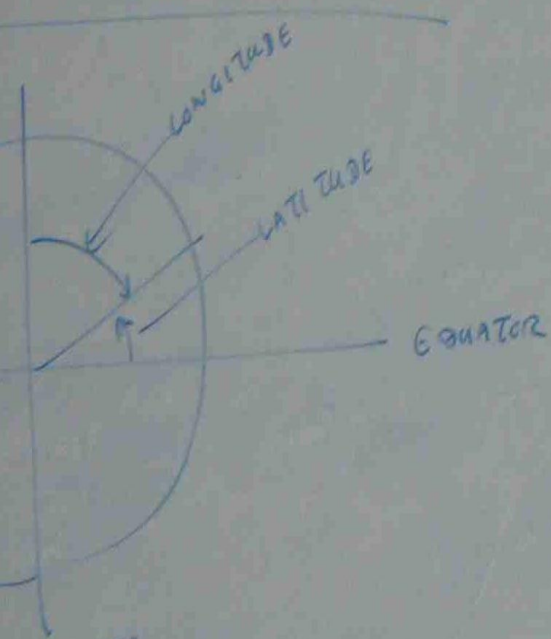
LOCATION OF SUN POSITION BY LONGITUDE & LATITUDE



GREEN WITH MERIDIAN (EVALUATED)



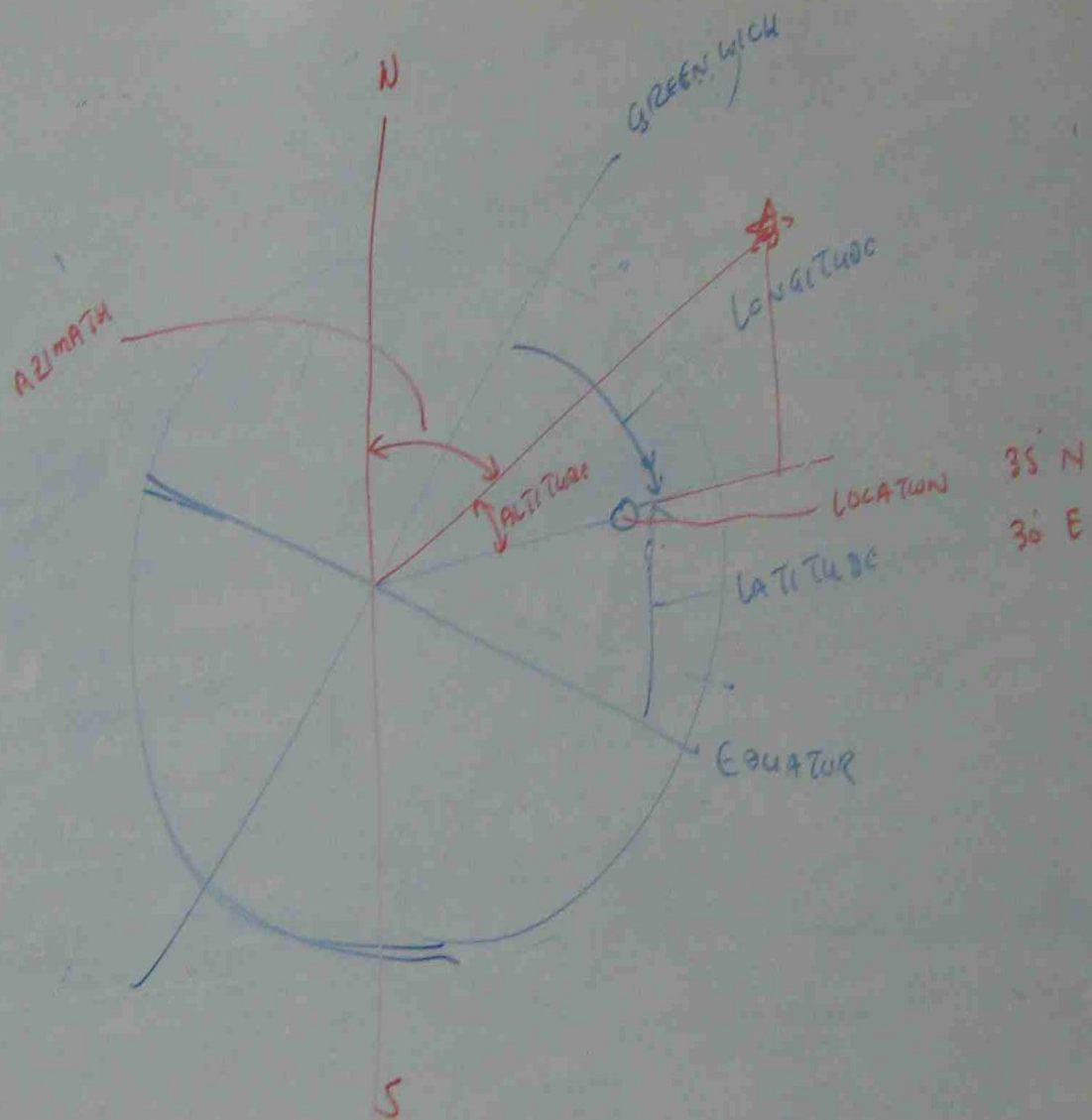
on by Longitude & Latitude



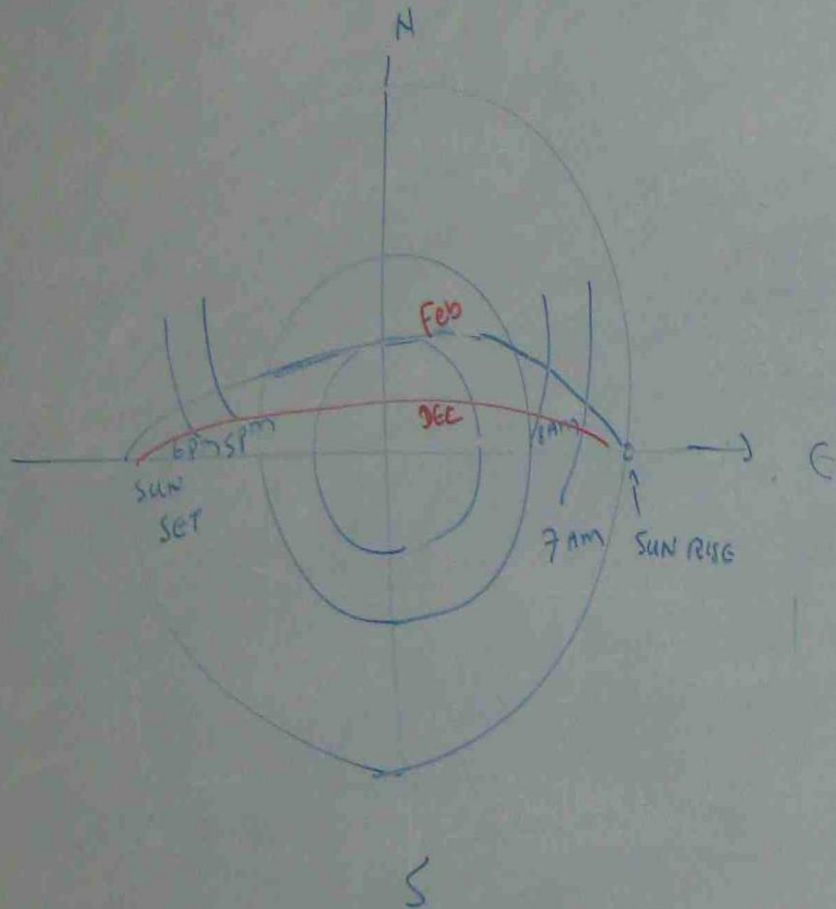
GREENWICH
MERIDIAN
(ENGLAND)

N)

LONGITUDE
LATITUDE
EQUATOR



FIND THE SUN'S AZIMUTH AT SUN RISE AND SUN SET
ON 26th FEBRUARY FOR LATITUDE 35° SOUTH.



REVIEW OF SEMICONDUCTOR PROPERTIES

