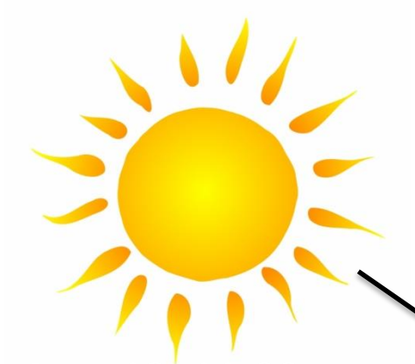
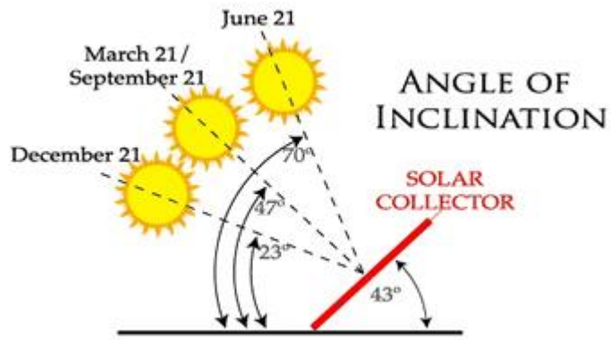
SEAC center

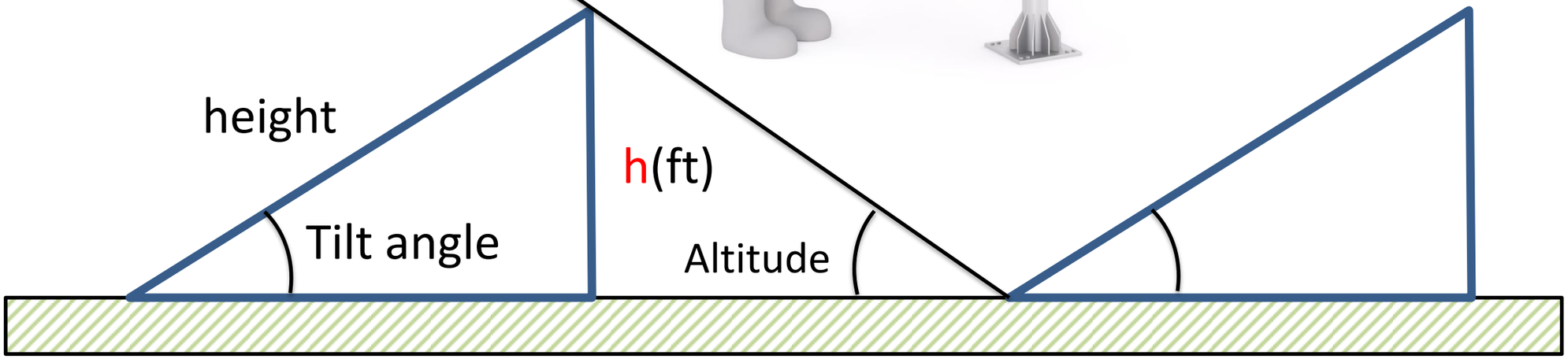
Distance between Solar Row

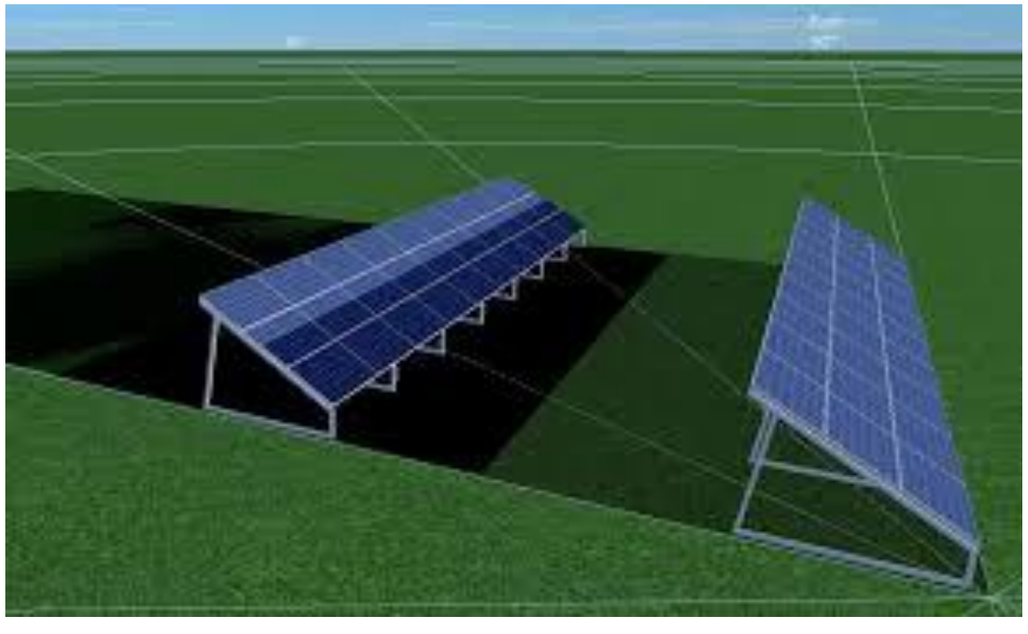
Calculation

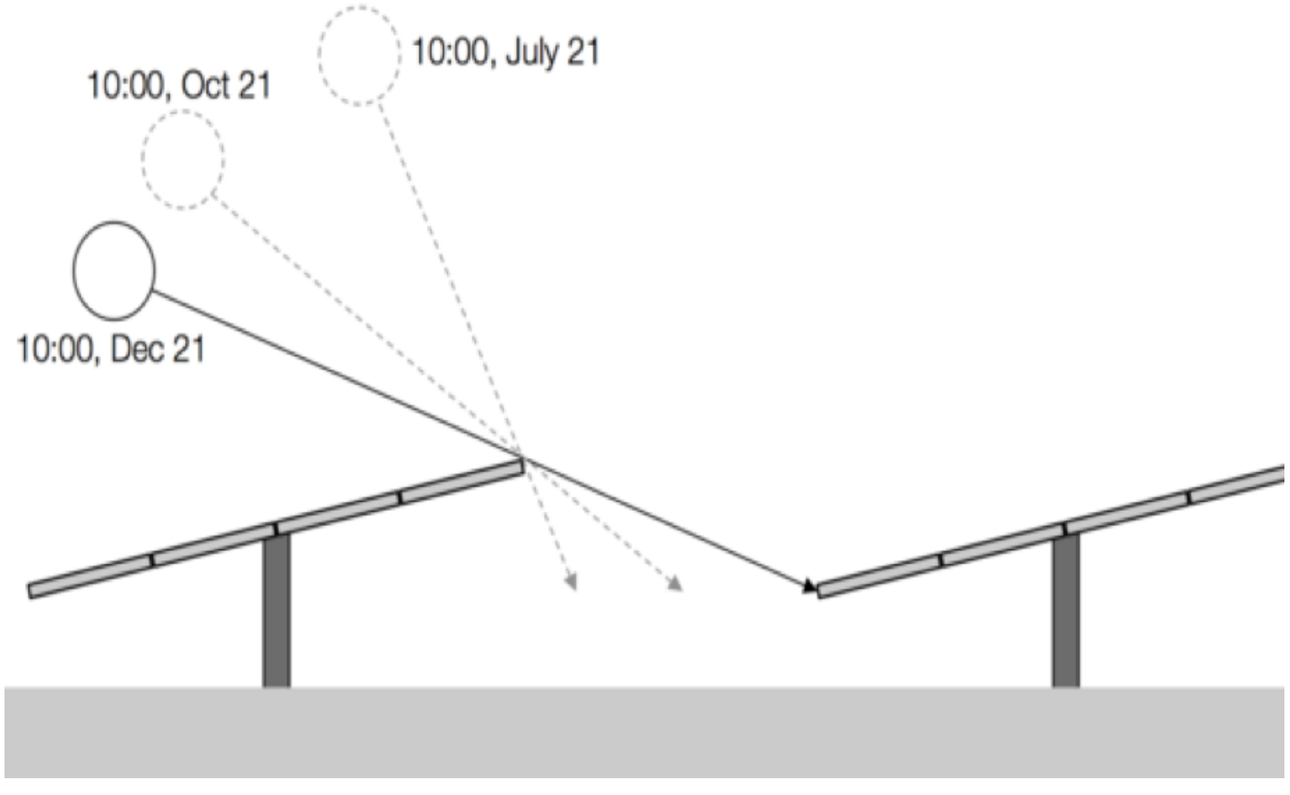


Aug. 13, 11:00am



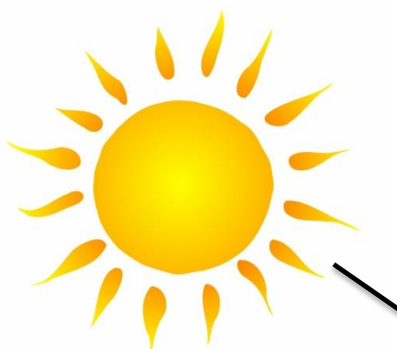




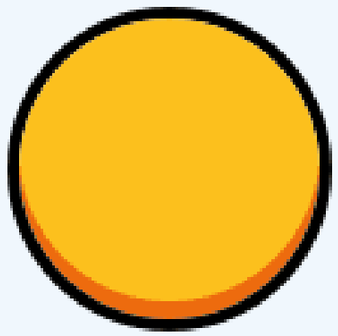

10:00, July 21
10:00, Oct 21
10:00, Dec 21

SEAC center

Solar Radiation Angle= elevation angle= Altitude angle ?



Aug. 13, 11:00am

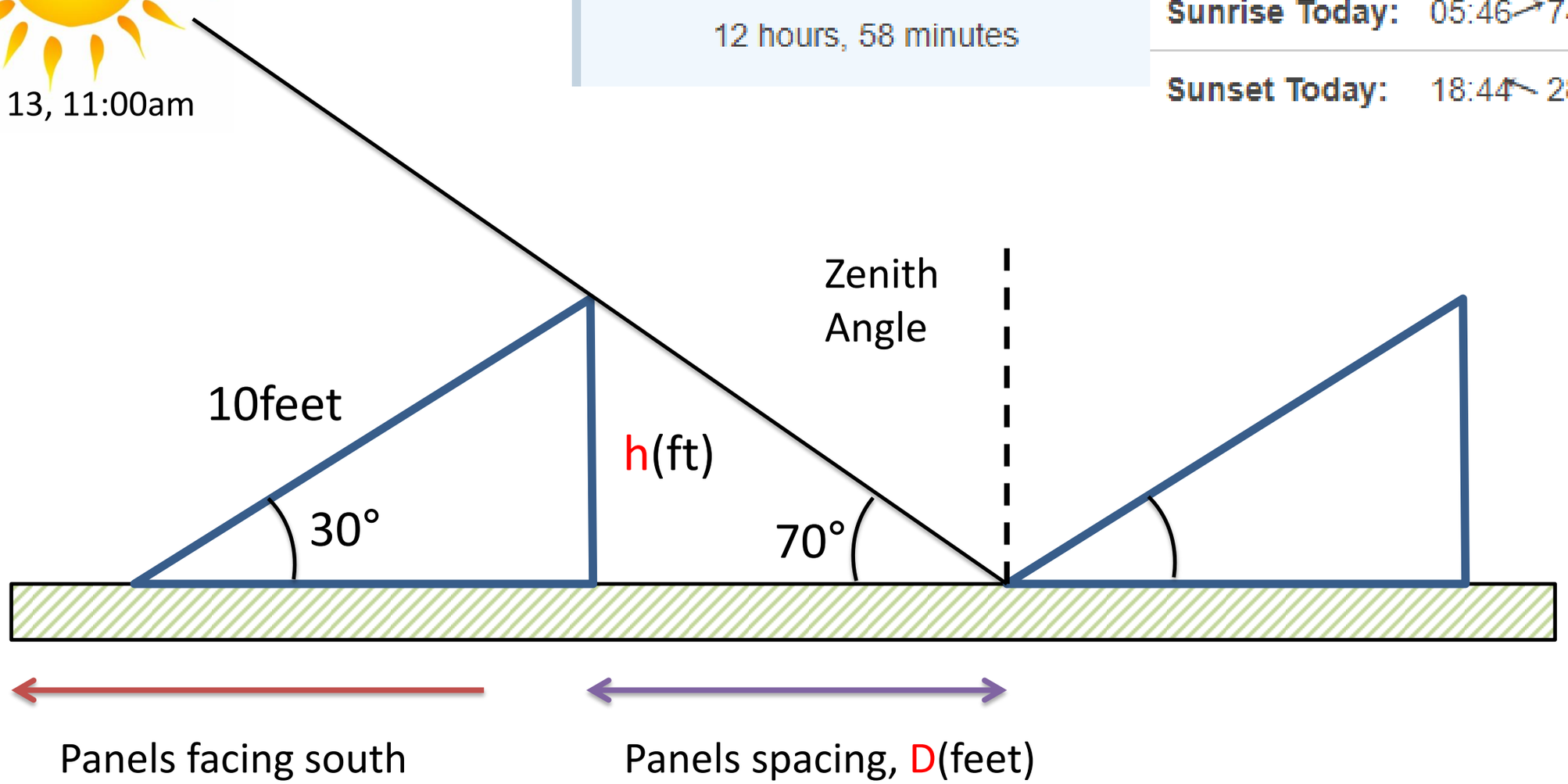


Daylight

05:46 – 18:44

12 hours, 58 minutes

Current Time:	13 Aug 2020, 11:00:46
Sun Direction:	112.29° ESE
Sun Altitude:	70.36°
Sun Distance:	151.564 million km
Next Equinox:	22 Sep 2020 19:00 (Autumnal)
Sunrise Today:	05:46 74° East
Sunset Today:	18:44 286° West

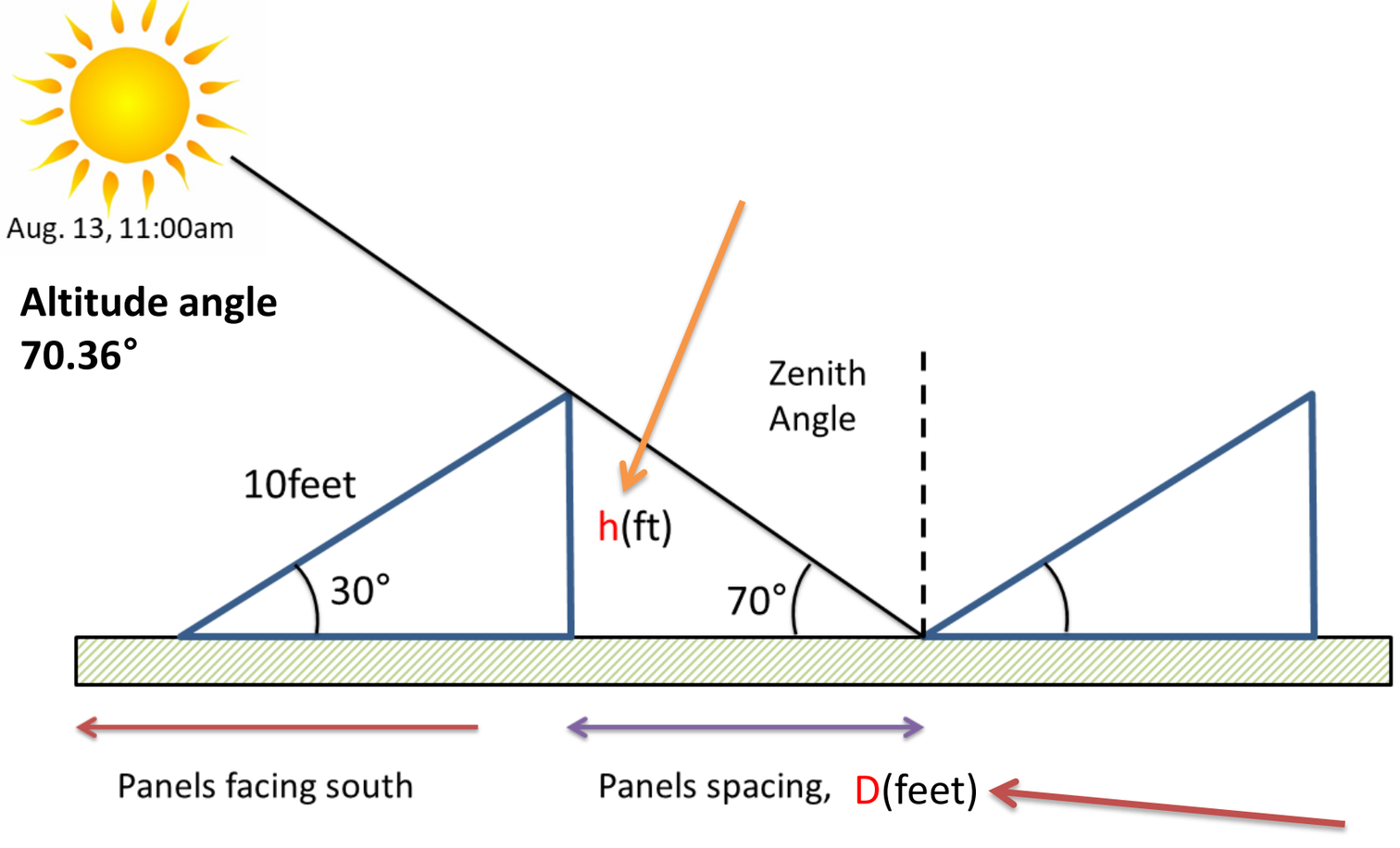


$$h = \text{height of tray or module}^* \quad \text{Sin(Tilt angle of tray or module)}$$

h = 5 feet

Sin30° = 0.5

Tan 70.36° = 2.802



$$D = \frac{h(\text{ feet})}{\text{Tan(Altitude angle)}}$$

$$D = \frac{5}{2.802}$$

D = 1.78 feet

Sun & Moon Today | Sunrise & Sunset | Moonrise & Moonset | Moon Phases

Daylight

05:46 – 18:44

12 hours, 58 minutes

Current Time:	13 Aug 2020, 11:00:46
Sun Direction:	112.29° ESE
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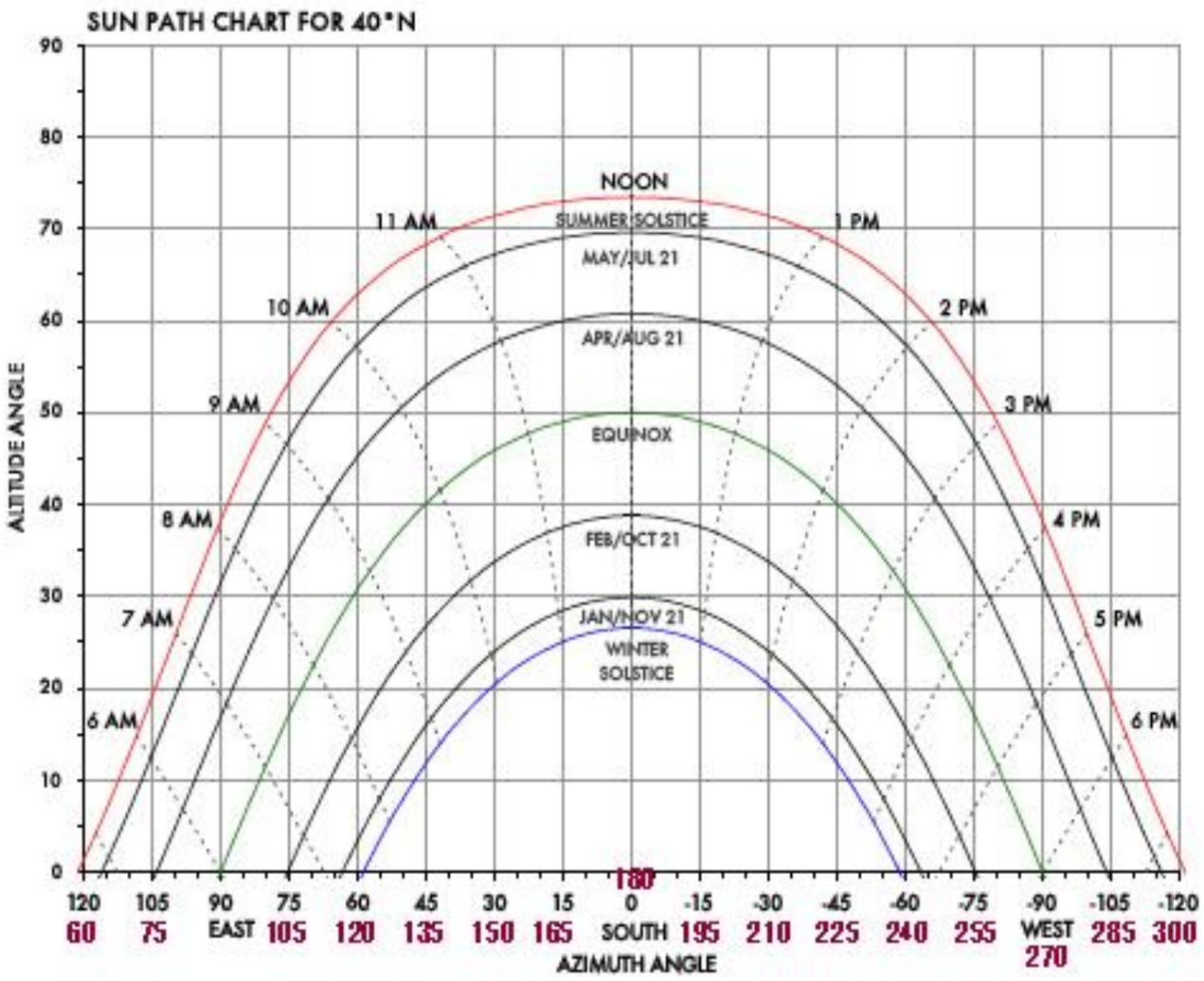
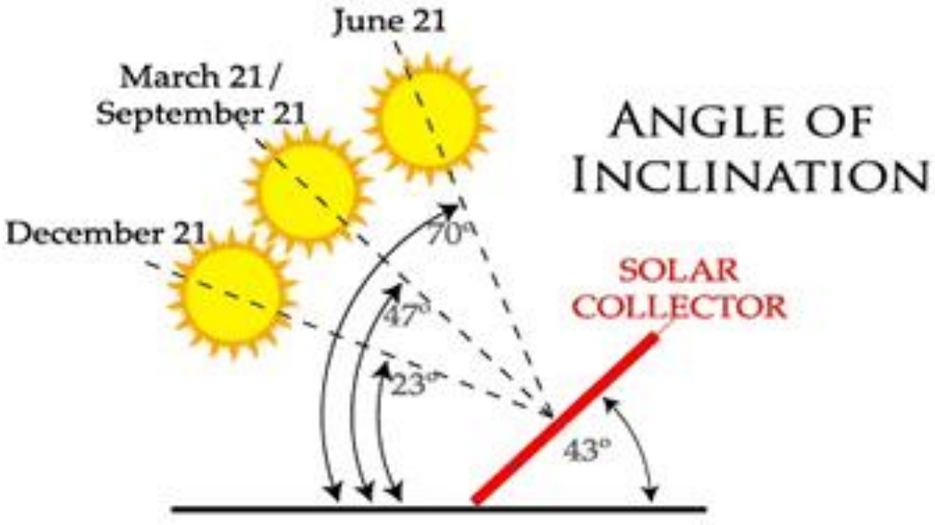




Rise
05:47
75°ENE

Meridian
12:15
180°S

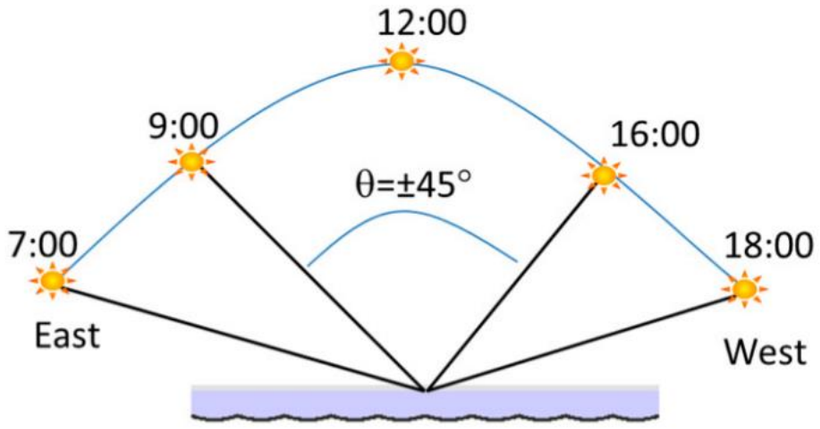
Set
18:42
285°WNW

09:00

Altitude
43°

Heading
→ 91° E

Position
Day



Sun Position

SEAC center

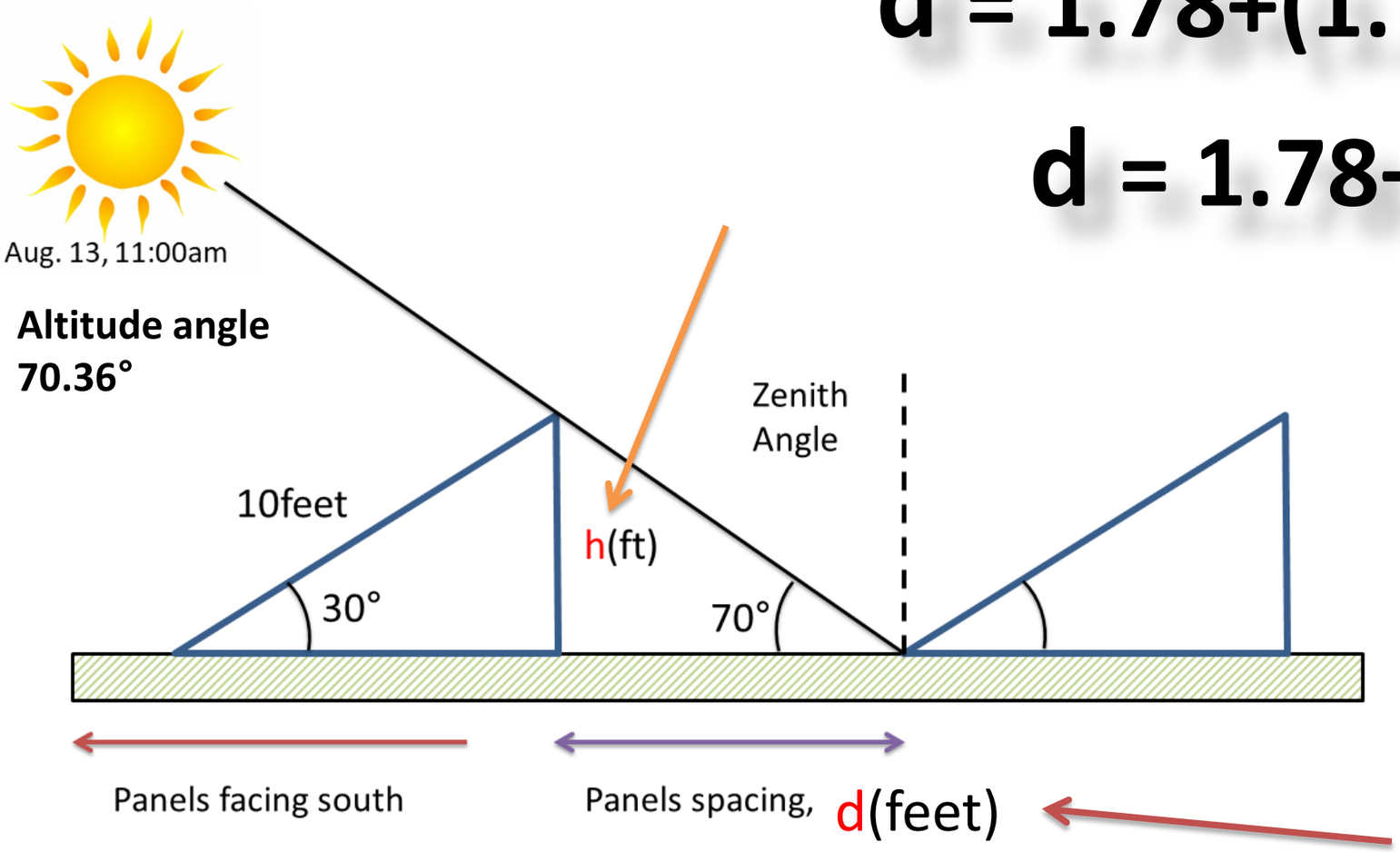
$$d = D + D^{*} \cos(180 - \text{Azimuth})$$

$$d = 1.78 + 1.78^{*} \cos(180 - 112)$$

$$d = 1.78 + (1.78^{*}.374)$$

Cos(68)= .374

$$d = 1.78 + (0.66)$$



d = 2.44 feet

क्या आप सोलर सेक्टर में रोजगार या व्यापार करना चाहते हैं 

SEAC Center

ये वीडियो सीरीज आपको जानकारी और अनुभव बढ़ाने में मददगार होगी

- ✓ सौर ऊर्जा, आवश्यकता और महत्त्व
- ✓ सौर ऊर्जा से चलने वाले प्रोडक्ट्स
- ✓ सोलर सिस्टम के कम्पोनेंट
- ✓ सोलर सिस्टम डिजाईन करना
- ✓ इंस्टालेशन के लिए चेक लिस्ट बनाना
- ✓ सोलर सिस्टम में आने वाली समस्याएं
- ✓ स्किल एजुकेशन की आवश्यकता और लाभ
- ✓ सोलर सेक्टर में जीरो इन्वेस्टमेंट से व्यापार
- ✓ सिस्टम फेल होने के कारण
- ✓ ऑन ग्रिड इन्वर्टर का चयन
- ✓ ऑफ ग्रिड इन्वर्टर का चयन

Solar चर्चा With Krishna

"सोलर चर्चा विथ कृष्णा"

https://www.youtube.com/channel/UC_IkNwlFYGlLf-meVHef5Yw

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