

PCSE 503 / Physics 421

Lecture 10

Why is it cold?

Like, now

Like, here -

LIFE

Data Science

→ what do I need to know?

→ where do I get the data?

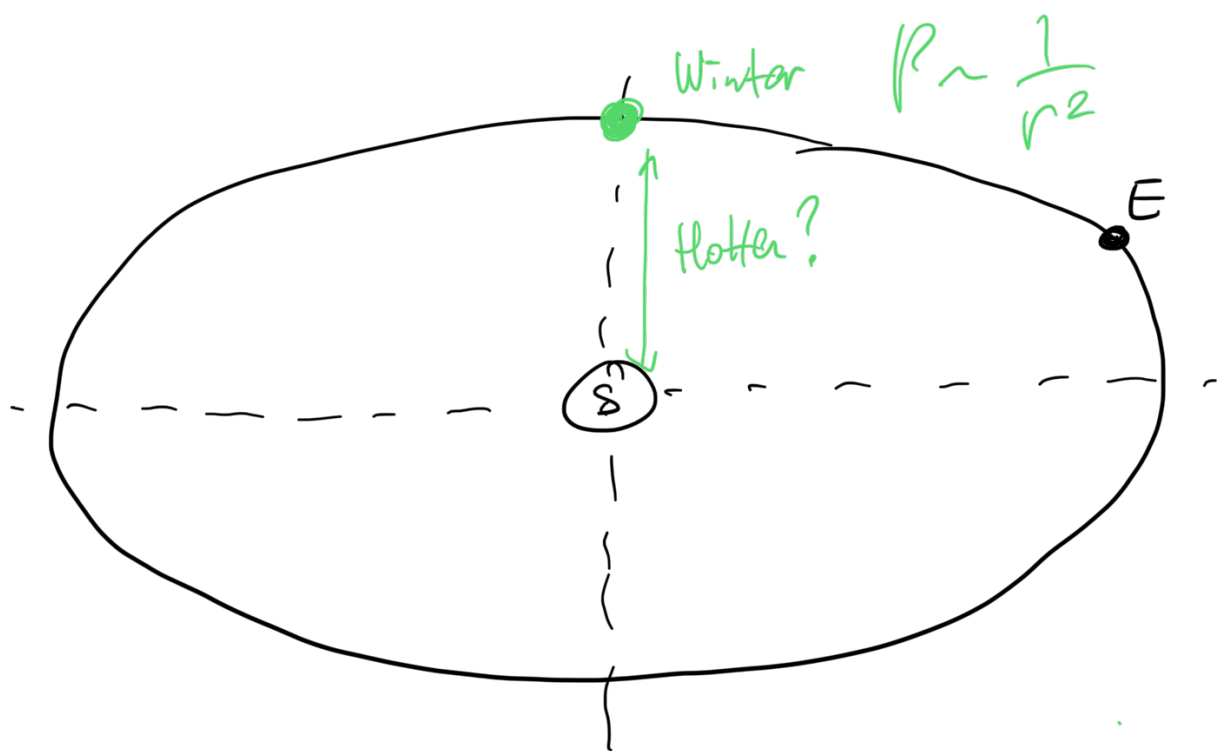
→ what approximations?

Theory:

✓ ① Earth-Sun Distance

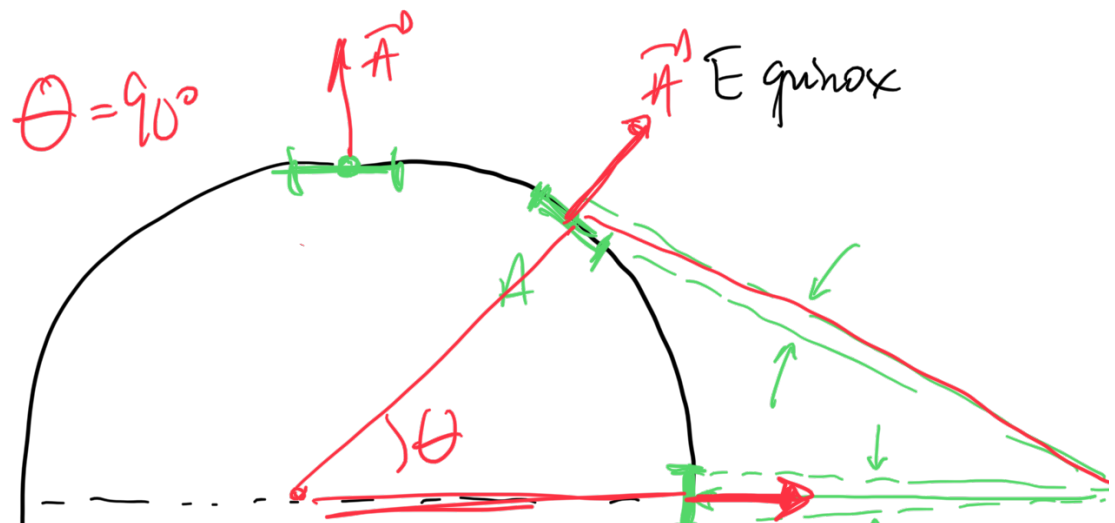
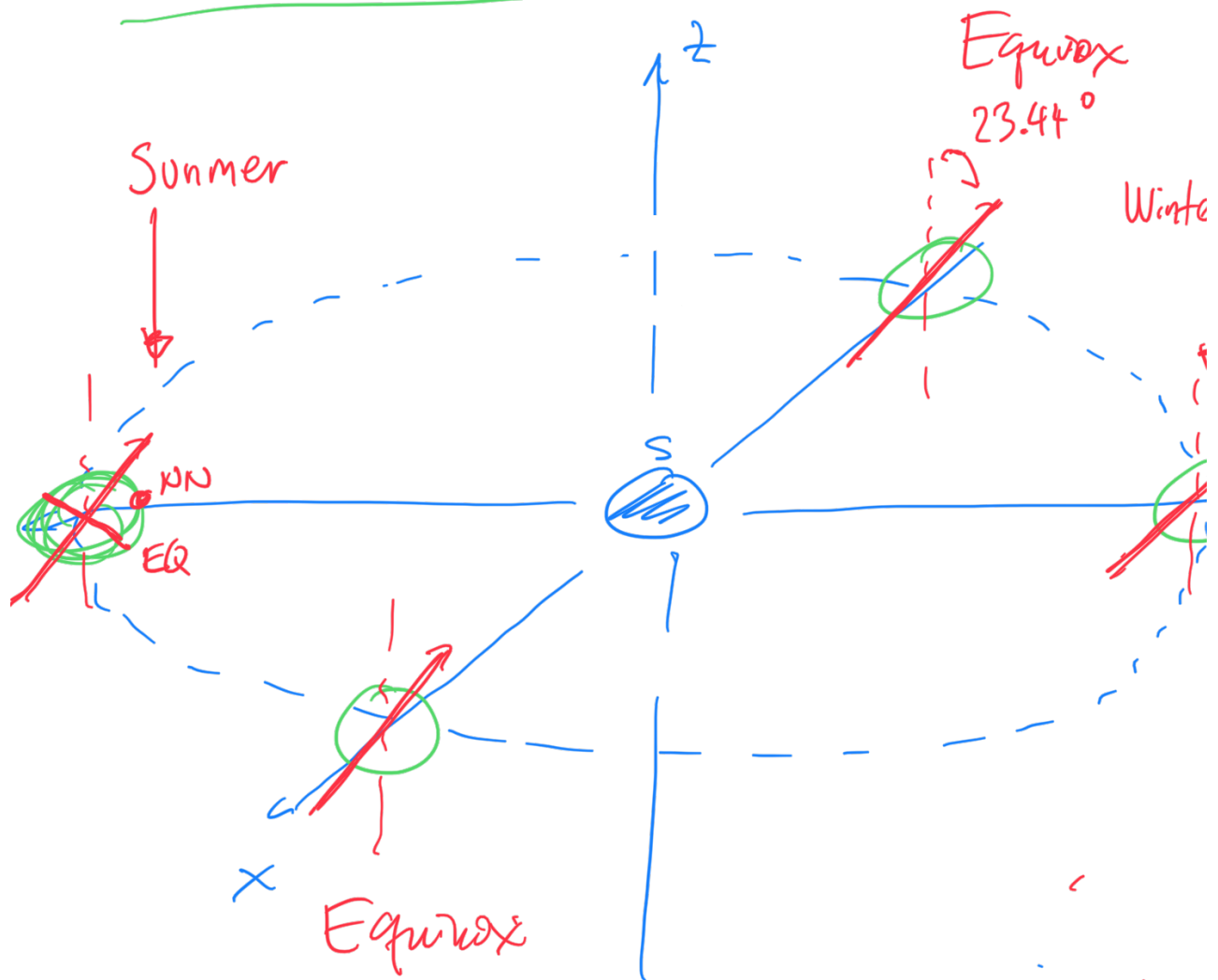
✓ ② Tilt Angle

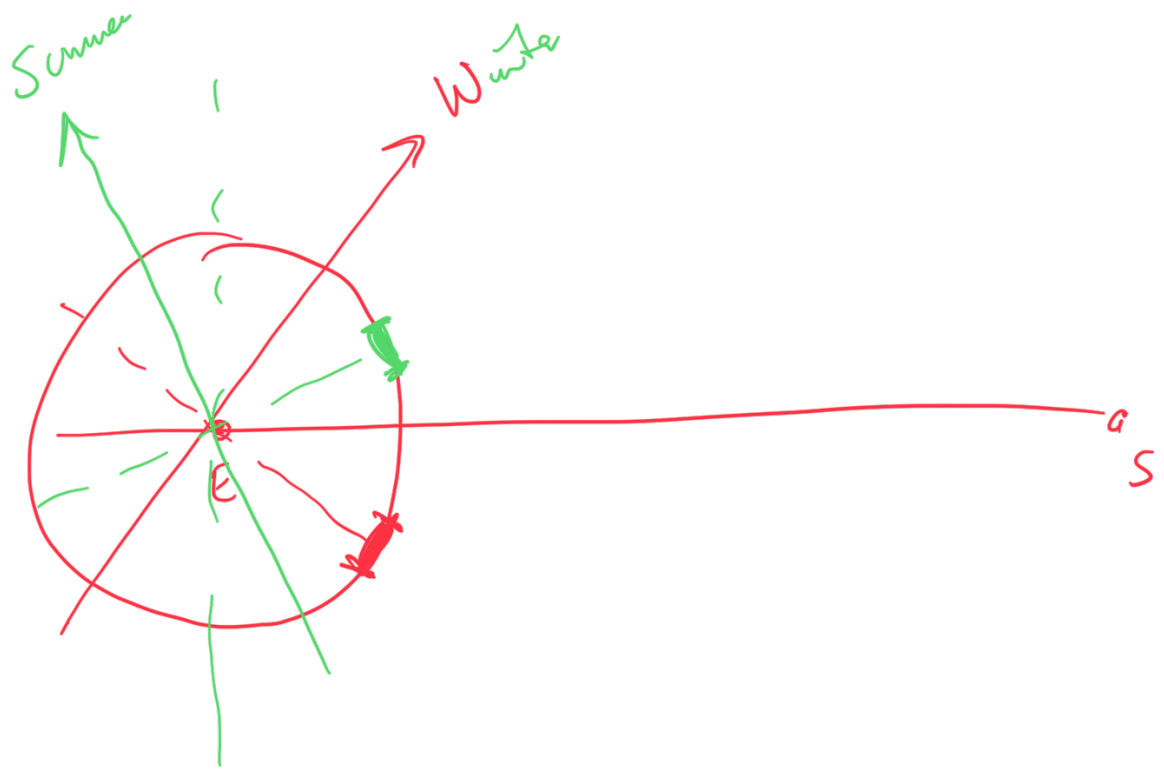
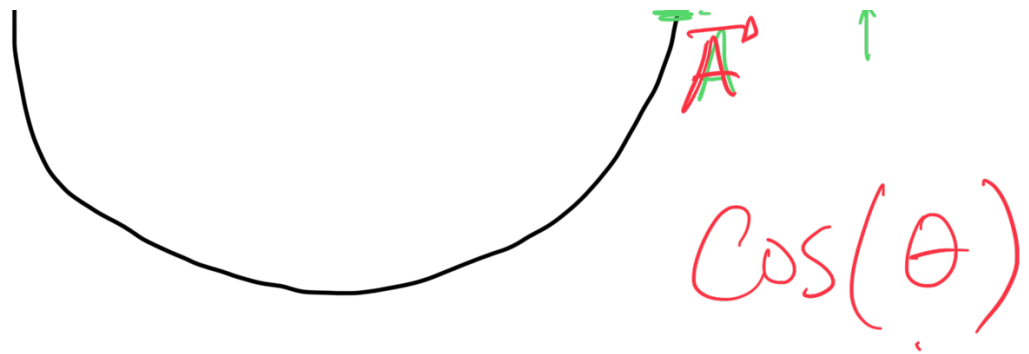
✓ ③ Day Length



Earth Sun Distance as a
function of Day of year.

Tilt Angle.





Equator \rightarrow 12 hours

