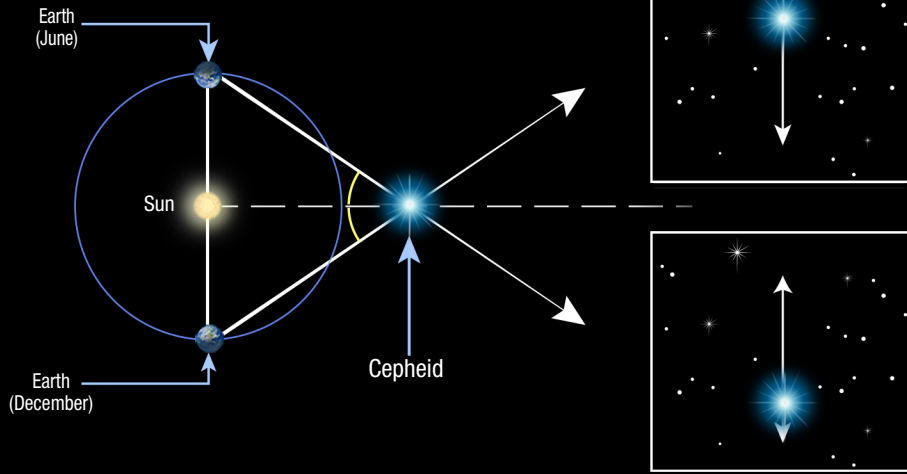


Stellar Parallax Measurement of Cepheid Variable



Three Steps to Measuring the Hubble Constant

NEW PARALLAX LIMIT

OLD PARALLAX LIMIT

Galaxies hosting Cepheids and Type Ia supernovae

Distant galaxies in the expanding universe hosting Type Ia supernovae

Light redshifted (stretched) by expansion of space

Short-period Cepheid

Long-period Cepheid

0 - 10 K LY

10 Thousand - 100 Million Light-years

100 Million - 1 Billion Light-years