

The FRAME

Distance in Outer Space

is about . . .

measuring huge distances in the universe.

Extension: Find the distance in astronomical units from the Earth to Jupiter. Then find the distance from Earth to our next closest star, Alpha Centauri, in light years.

Main Idea

Astronomical Units

Main Idea

Light Years

Essential Details

The distance from the Earth to the Sun

Essential Details

The distance light can travel in one year

definition

Where it is used

Used in our solar system

Used for objects beyond our solar system

Interesting Fact

149.6 million kilometers

9.4607×10^{12} km (nearly 6 trillion miles)

So What?

We use special units make sense of and measure the vast distances in space.