

Insert for Apologetics 15 pp14

Note that the nearest star, Proxima Centauri, is around 25 trillion miles away, and stars move up to 100 miles per second. At 100 miles per second, 8,640,00 miles per day, it would take it over 330 years to get here.

(Corrections below, Oct. 17, 2014)

$100 \times 60 = 6000$ miles traveled per minute

$6000 \times 60 = 360000$ miles traveled per hour

$360000 \times 24 = 8640000$ miles traveled per day

$8,640,000 \times 365.25 = 3,155,760,000$ miles traveled per year

$25,000,000,000,000 / 3,155,760,000 = 7,922.022$ years for this star to reach the sun/earth.

Ralph's use of 25.5 trillion would work out to 8,070 years for this star to get here at 100 mi/second. This equates to about 3,000,000 **DAYS**.

This star is actually moving much slower towards earth, 13.484mi/s, so at that rate it will take it over 58,000 years to get to the sun. (The sun is about 93 million miles away from earth, but if there were two of them, we would be toast!)

$13.484 \times 60 \text{ sec} = 809.04$ miles traveled per minute

$809.04 \times 60 = 48,542.4$ miles traveled per hour

$48,542.4 \times 24 = 1,165,017.6$ miles traveled per day

$1,165,017.6 \times 365.25 = 425,522,678.4$ miles traveled per year

$25,000,000,000,000 / 425,522,678.4 = 58,751.275241080076826288372977115$ years for this star to reach the sun/earth.