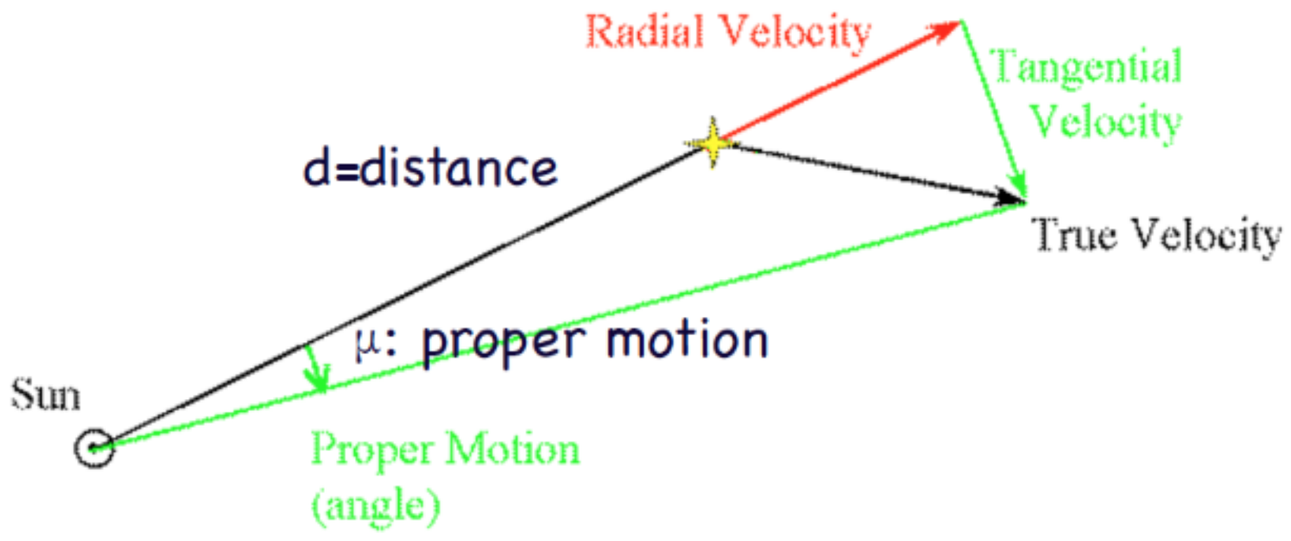
Final Review

Review Questions

1. **True Stellar Velocity**
   The nearest star to the solar system is Proxima Centauri at just 4.25 light years away. It has a measured proper motion of 1.9×10^{-5} rad/year and a measured radial velocity of -22.4 km/s. What is Proxima Centauri's true velocity in km/s?



Answer: