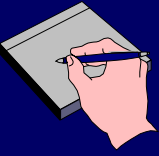


Example

Length Contraction



Notice that even though the proper time clock is on the space ship, the length they are measuring is not the proper length.

They see a “moving stick of length L ” with Earth at one end and Alpha-Centauri at the other.

To calculate the proper length they multiply their measured length by γ .

