

Special Relativity

Pre-Lecture Reading/Post-Lecture Summary

We will begin a more in depth treatment of special relativity as a consequence of spacetime symmetries. This will let us "discover" the Lorentz transformations, identify vectors, dual vectors, scalars and more general tensors. In extending familiar objects in 3D to their 4D counterparts, we will unearth much of the love and mystery of Einstein's first great triumph. Then you will leave and be happy.