

Abstract Submitted
for the PSF09 Meeting of
The American Physical Society

Redefining Time to Understand Space THOMAS SILLS, Wright College, Chicago, IL — In a new book, *What Einstein Did Not See*, Thomas W. Sills presents a new approach to both time and space. For the first time, readers see how Euclidean geometry can describe space with more than three dimensions. This new approach redefines time into two different component measurements: a vector of Timespace and a scalar of Universal Time. Three-dimensional projections from four-dimensional Euclidean space can now visually illustrate time travel. Contraction of Timespace, the fourth physical dimension, becomes equivalent to Einstein's time dilation. General knowledge of Euclidean geometry allows the reader to understand the complex nature of higher dimensions in a new way. Readers enjoy a friendly, informative walk into four, and higher, dimensions of space. Timespace and Universal Time revise conventional physics which defines time by what clocks measure. These new ideas transform the three-dimensional world of conventional physics.

Thomas Sills
Wright College, Chicago, IL

Date submitted: 17 Sep 2009

Electronic form version 1.4