Abstract Submitted
for the APR14 Meeting of
The American Physical Society

A Second Dimension of Time Explains Quantum and Classical Fields RICHARD KRISKE, University of Minnesota — This author had previously proposed that there is a Second Dimension of Time. The two times do not Commute. Usually when one says two things don't Commute one does not mean the dimensions themselves, although E does not commute with t, and one usually means that take the E operator first and then the t operator is not the same as taking the t operator then the E. Of course in that very statement is a puzzle since it involves t itself. What if t(clock) and t(information) do not commute, what that means is take t(clock) and t(information) at a point in x, is not the same as taking t(clock) and t(information) at a different point;Which is a Field and Special Relativity. So suddenly you can see that Fields arise because there are two non-commuting dimensions of time. Since the times are symmetric, what is Conserved Quantity between them? It can't be Energy, but rather Energy total–One Energy for Clock Time, and one Energy for Information Time. The Total Energy has an interesting property, as the two Dimension of Time result in a totally Geometrical Theory,with only the two time Dimensions themselve having a Quantum Character. Position and Momentum, Energy and time Commute with two Dimensions of time, as do their "Dark" conterparts. The Conservation "makes" the other Dimension

Richard Kriske
University of Minnesota

Date submitted: 03 Nov 2013 Electronic form version 1.4