

Transaction Analysis as the Legitimate Basis for Physical theories

The effectiveness of transaction analysis to theoretical physics is demonstrated by articles and books included or referenced on this web site. Revised theories based on transaction analyses generally account for experimental observations better than the previously accepted theories, with significant advantages accruing in the philosophical domain of epistemology. The primary difference in the transaction approach is that rather than pontificating on the nature of all of reality of which we know too little, it focuses on the interaction that inform us of reality and specifically on the nature of specific interactions about which we generalize. It is, after all, these interactions that are the subjects of experimental tests of theory. It is in general the transmission of electromagnetic radiation between an emitter and an absorber that determines behavior in situations of relative motion rather than an obscurely caused effect of unilaterally perceived spacetime relationships. Generalized relationships can only be established by induction from the specific transactions.

Transaction analysis has been used to address issues in thermodynamics, relativity, and cosmology. In addition, the theory of quantum mechanics was previously addressed by John Cramer's Transaction Interpretation. Einstein's Quantum theory of radiation also employed transaction analysis in deriving the blackbody radiation distribution of energies.

On this website we present extensive articles and references detailing the resolution of previously unsolved, or awkwardly addressed, dilemmas in physics. These include resolution of the dark matter issue without requiring non-baryonic matter, the origin of entropy in submicroscopic interactions, and relativity based upon visual observation.