INFORMATION SPACE - Part 1

The Philosophy of Distributed Informational Processing
In a Mechanistically Interrelated World of Physical Entity

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Abstract

A fundamental element that is common to all force-field equations is relational distance. This fact seems to suggest, if one believes physical entity have a role in determining forces, that for every pair of entity which are related by a force, the entity themselves must, at least indirectly, be mechanistically able to perceive and resolve their intervening distances. An alternative natural process, logically, would be for entity to be remotely macro-managed. That scenario would seem to entail remote and indirect distance measurement, duplex communication, and remote control; and, thus, would encompass a far more complex *modus operandi*. The simpler alternative appears to be distributed processing of distance information directly between entity. This autonomous ability would be required of all entity related in participatory pairs to accurately manifest the forces that represent their relational circumstances. The immense volume of relational determination required in even a small part of our world, would also seem to necessitate distributed processing. This informational network would be opposite in effect to the usual human imposition of observed relational distance (measuring-rod comparisons), and is fundamentally contrary to the nature of its conventional representation (universal coordinate systems with unique origins). The resolutional aspects of relational circumstances realized by actively participating entity must correspond understandably to the parameters of measurement imposed by an observer, for that appearance to contain any meaningful representation (mechanism) of a primal causal reality. Further, no manageable mathematical algorithm could accommodate the details of the relational circumstances of a complex system of distributed, interpenetrating participal[1] entity relationships and transform those details into the coordinates of a uniquely origined, observational reference frame. Additionally, with the perspective of an observational appearance of interrelational process, the relational information necessarily stands separated from the interrelationships. In an operational reality, the relational information must be implicitly evident rather than explicitly expressed to most efficiently permit the interrelationships to causally develop. Thus, in an operational reality*, natural relational information* must exist and be intimately involved in the expression of physical existence and spatial change. When the same reality is understood through an observational perspective, *synthetic relational information* is required to depict physical circumstances. That information, contrived to be relational, principally influences the instruments and intelligence of the observer. The veracity of these arguments would seem to suggest that a new conceptual perspective of an involved relational nature is required, to allow a direct and most simple representation of the physical world and yet yield a deeper understanding of physical expression and relational processes.

Note:
1. Of or relating to a participant.