

Abstract:

A prototype EDEN-like environment that facilitates the replication and association of definitive constructs.

The underlying concepts of definitive notations as demonstrated in EDEN, offer an alternative programming paradigm that sympathise with the way people naturally think about relationships that they experience in the world. Its syntax and legacy motivations however, do not well support newer programming concepts such as those introduced by Object Orientation. Although it would be undesirable to skew the philosophies of these respective paradigms for programming, it has been well observed that particular features of Object Orientation such as the association of variables and replication of constructs, could be welcomed into the domain of Empirical Modelling if a way of carefully integrating such features while preserving the original motivations of the definitive paradigm could be discovered.

I propose to prototype a miniature environment separate from EDEN which reflects its primary functionality while supporting the association of observables and replication of constructs similar to the that which Object Orientation provides.