

- MERLIN CARL, *Computational approach to an alternative 'working environment' for the constructible universe.*

Rheinische Friedrich-Wilhems-Universität Bonn, Germany.

E-mail: goedel23@gmx.de.

We exhibit aspects of fine structure theory related to infinitary computations and describe a new approach to fine structure based on it, the F -hierarchy, and its refinement, the hyperings. As a sample application, we prove a variant of a theorem of Magidor.