

*Adaptive isolation for protection in the Movable Feast Machine*

**Abstract**

The *Movable Feast Machine* (MFM) is a computational platform which encourages robustness and scalability by limiting the reach of its computational pieces. However, many actions taken by the *Elements* of this machine can have adverse effects to important computations. The *Adaptive Isolator* Element robustly separates *Atoms* from each other, proving invaluable for safeguarding the long-term survival of these computations. The Adaptive Isolator can provide adequate protection with minimal interference via the proper adjustment of the *isolation radius* it maintains around Elements.

**Hoped-for conclusion**

In the spirit of emergent behavior, it is hoped that an effective yet simple Adaptive Isolator Element can be implemented in the MFM architecture. It is believed that a 'sweet spot' exists between how much the Adaptive Isolator separates the Element from the rest of the MFM and how much that Element can still effect the world outside of its Adaptive Isolator "bubble". The independent parameters to be varied include a "cell radius", and information/policy about which Elements to copy in or out of a "bubble".