

1134-18-47

**Steve Huntsman\*** ([steve.huntsman@baesystems.com](mailto:steve.huntsman@baesystems.com)). *The multiresolution analysis of flow graphs.*

We unify and formalize several natural concepts relevant to the decomposition and construction of digraphs that model control flow in programs, business processes, etc. In particular, we exhibit sequential and parallel tensor product operations and introduce the operad of flow graphs in light of a well-known algorithm that dovetails with the operadic structure. (Received July 18, 2017)