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Revised[4] Report on the Algorithmic Language Scheme

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Abstract

Data and procedures and the values they amass,
Higher-order functions to combine and mix and match,
Objects with their local state, the messages they pass,
A property, a package, the control point for a catch—
In the Lambda Order they are all first-class.
One Thing to name them all, One Thing to define them,
One Thing to place them in environments and bind them,
In the Lambda Order they are all first-class.

Keywords: Scheme, Lisp, functional programming, computer languages.

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With apologies to J. R. R. Tolkien.