



- 3 -

Language basics

Timeline



Eiffel 1 1986

Eiffel 2 1988 (OOSC 1st edition)

Eiffel 3 1990-1991 (*Eiffel: The Language*)

Eiffel 4 1997 ("Precursor" mechanism, agents)

ECMA 2005

ECMA/ISO 2006 (revised) <http://www.ecma-international.org/publications/standards/Ecma-367.htm>

See roadmap:

http://eiffelsoftware.origo.ethz.ch/index.php/Language_road_map



- Classes, objects, ...
- Single and multiple inheritance
- Inheritance facilities: redefinition, undefinition, renaming
- Genericity, constrained and unconstrained
- Safe covariance
- Disciplined exception handling, based on principles of Design by Contract
- Full GC
- Agents (power of functional programming in O-O!)
- Unrestricted streaming: files, databases, networks...