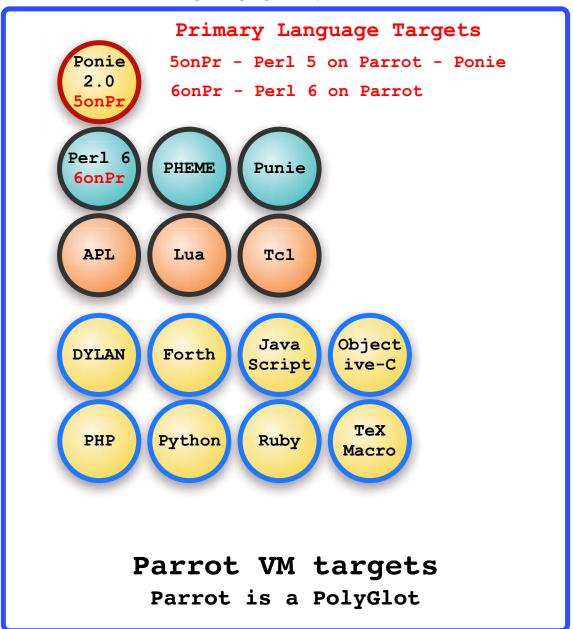
Pugs Language/Compiler Overview



http://svn.perl.org/parrot/trunk/languages/

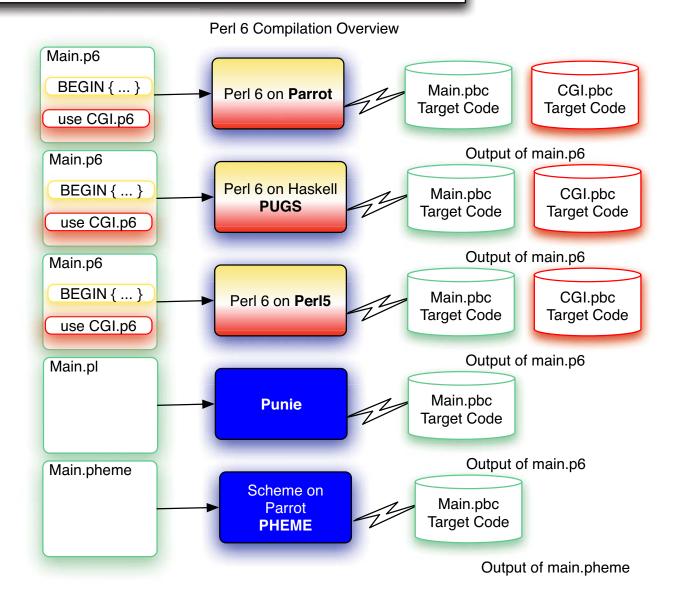
No current location

Described herein and in the svn below

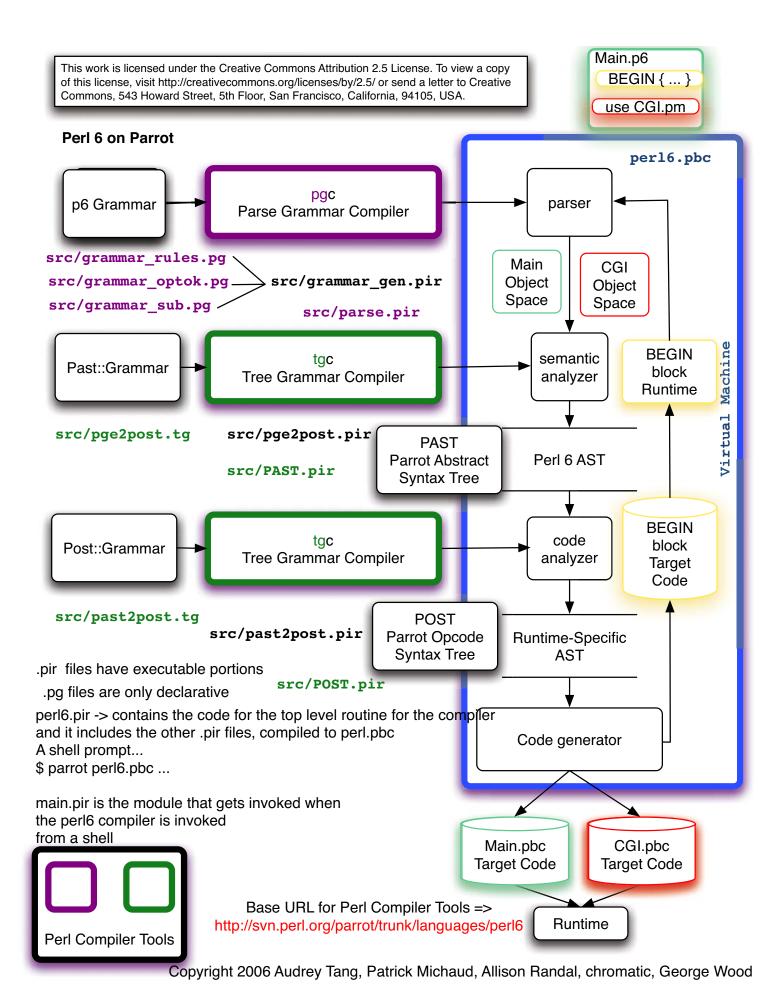
http://svn.perl.org/parrot/trunk/languages/*

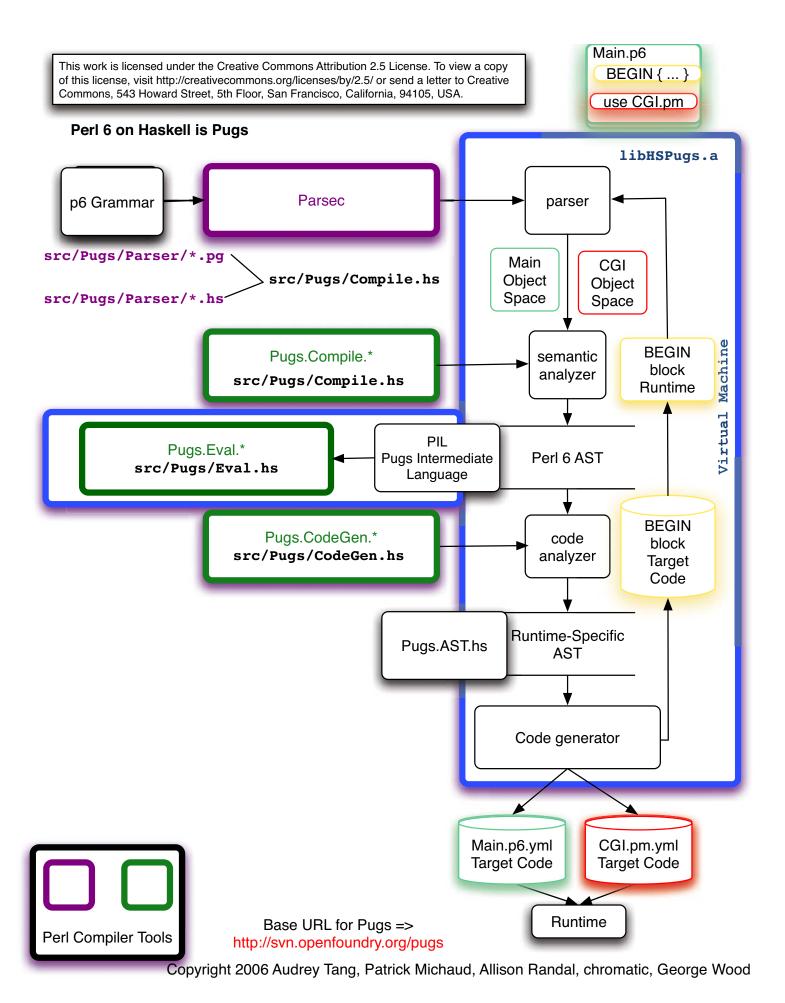
PAST

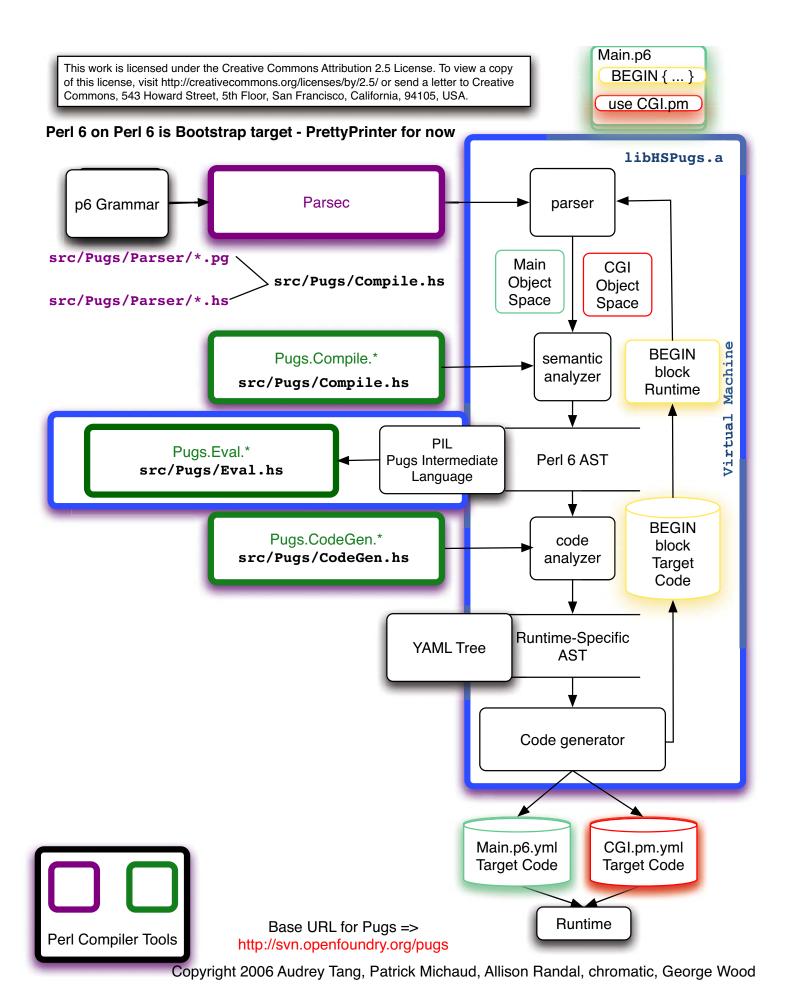
Pugs Language Overview Perl 6 on Haskell - Pugs **PUGS** Perl 6 on Perl 5 - CPAN to PUGS Perl 6 on JavaScript - Pirate Perl 6 on Perl 6 Perl Code will flow through several phases inside Pugs, as follows: FRONT END BACK END | <-- source lang specific --> | <-- runtime specific --> | src file -> Parser -> Compiler -> CodeGen -> Emit -----> Runtime P6->Parrot: Perl 6 PIL PIR-Tree Parrot Exp ->Haskell: Language.TH.Syntax GHC ->Perl 5: Code::Perl Perl 5 JS-AST SpiderMonkey ->JavaScript: ->Perl 6: Exp Pugs URL for Pugs plan => http://svn.openfoundry.org/pugs/doc/notes/plan **FUTURE** No current location PRESENT Described herein and in the svn below http://svn.perl.org/parrot/trunk/languages/* PAST

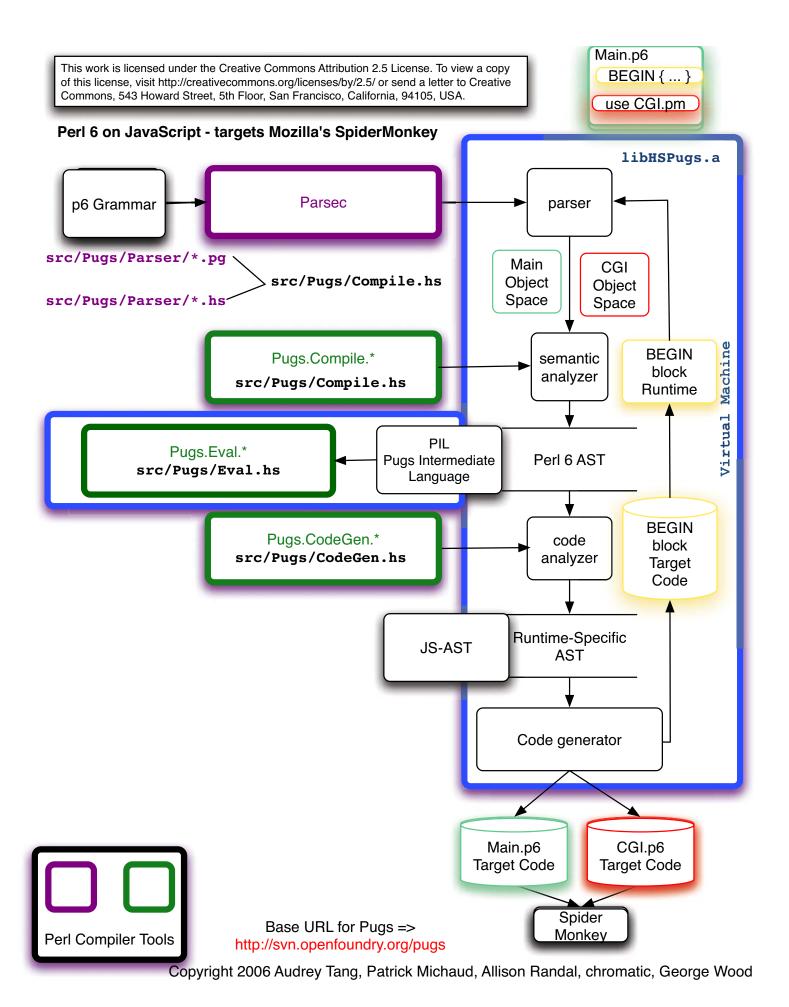


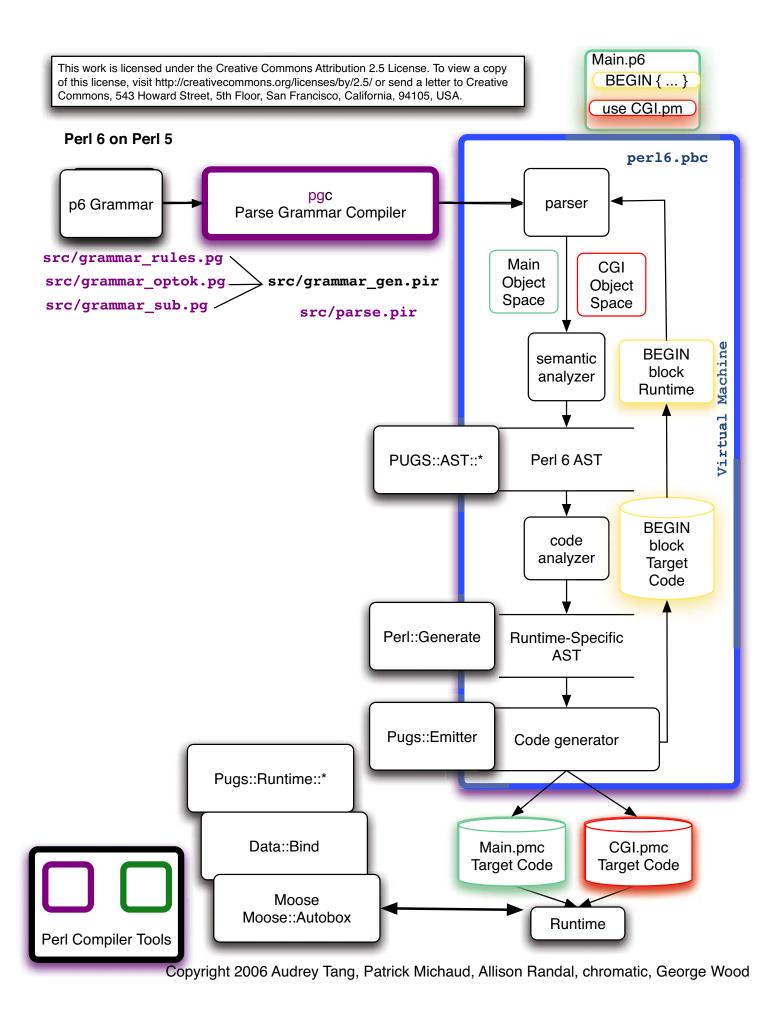


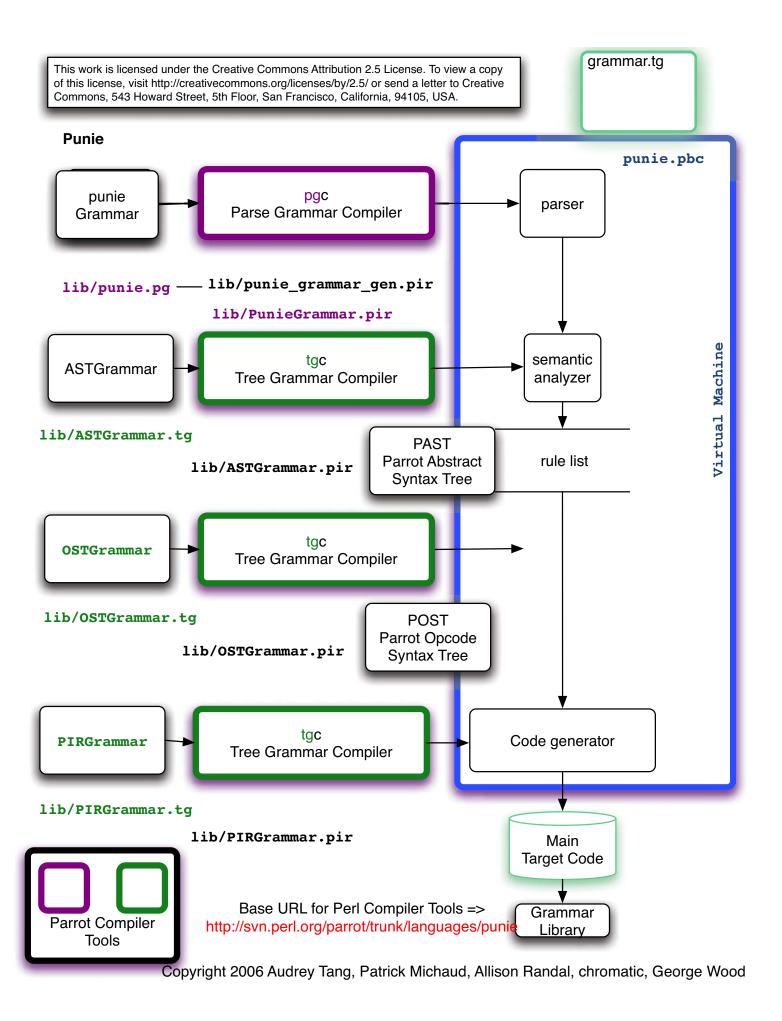


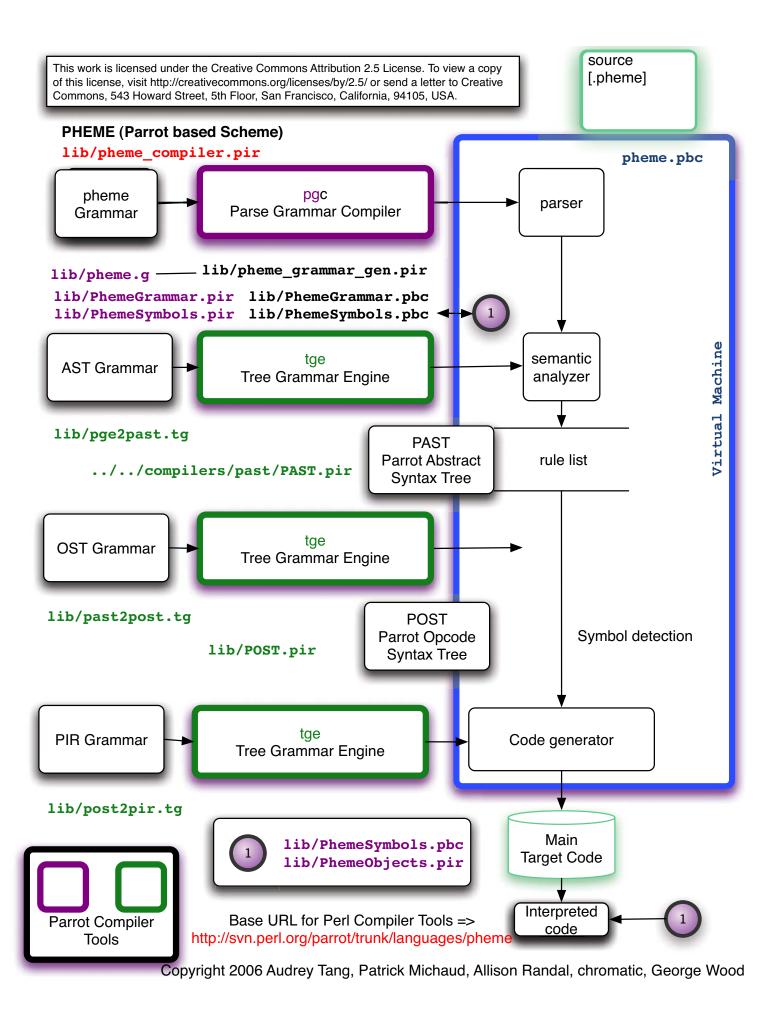


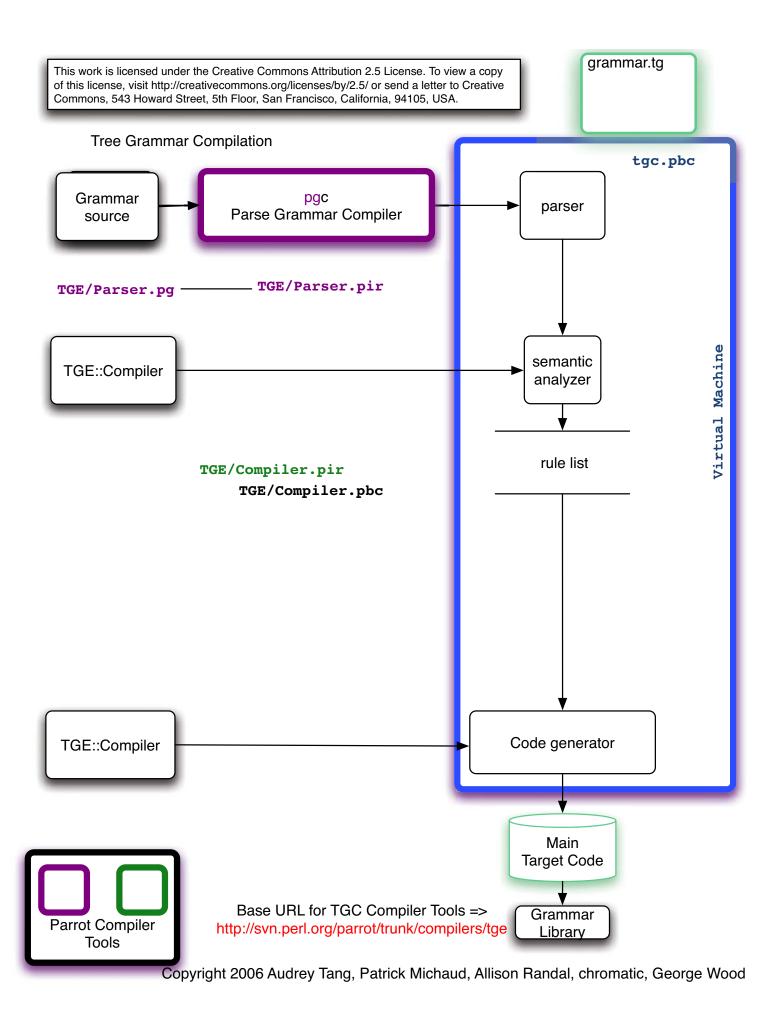












Tree Grammar Compiler Benefits

AST to OST operations by project

Allison Randal: Punie

- 1. Reordering nested subroutines outside any containing subroutine
- 2. Simplifying complex expressions into a series of single operator expressions
- 3. Simplifing the handling of conditionals, such as if ... then ... else

chromatic: PHEME

- 1. Find names of functions
- 2. Within functions, find variable names for functions

Perl Language Addressbook

Active	Developers	Inactive	Developers
APL APL on Parrot	Patrick Michaud Will Coleda (coke)	Cardinal (Ruby)	Phil Thomson
PHEME Scheme on Parrot	chromatic	BASIC	
Perl 6 on Parrot	Patrick Michaud	PHP	
Pirate Python on Parrot	Tyler Coumbes Michal Wallace	Ponie 1.0	
ParTcl Tcl on Parrot	mdiep	Forth	
Punie Perl 1 on Parrot	Allison Randal	JavaScript	
Pugs Perl 6 on Perl 5 Perl 6 on Haskell Perl 6 on JavaScript Perl 6 on Parrot	Audrey/Flavio See Pugs AUTHORS file	BF	
		TeX macro	
Planned for future	Developers	Lua	
Ponie 2.0 Perl 5 on Parrot	Patrick Michaud Allison Randal	Objective-C	
		Dylan	
		Forth	