

Guile in 2012

Off the cuff

Quasiconf 2012

Andy Wingo

Greetings!

Andy Wingo

Guile co-maintainer, along with Ludovic
Courtès

Guile @ Igalia

Guile

A Scheme implementation

GNU

Mostly written in Scheme (*)

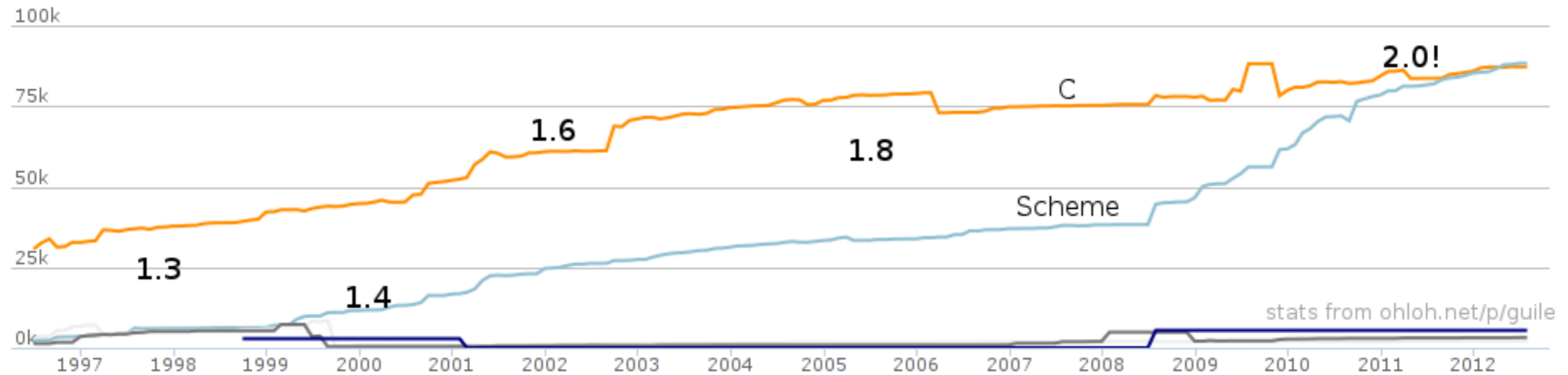
Bytecode interpreter

Complete

Development history

LOC by Language

Zoom



Guile 2.0

2.0.0 released February 2011

2.0.6 a couple months ago

Working on 2.2

Ripe time for navel-gazing

What I love

repl

optargs

pattern matchers

optimizers, speed

multiple values

bytevectors

web, xml modules

What I hate

interpreted backtraces

the evaluator

bootstrap time

docstrings in c

backwards scheme community

What I can't imagine living without

unicode strings and i/o

“hygiene”

compile-time warnings

paredit

What I fear

long-term psyntax viability

typed languages

static mindset of optimizers

threads

bincompat + macros

ffi interfaces

What I am excited about

ethreads

register vm

native code generation

emacs

What I'm indifferent to

r6rs

r7rs

r5rs

What causes most pain to users

separate compilation and evaluation

install

embedded objects in macro output

values needed at expansion time

eval-when

paths at runtime vs compile-time

read extensions

What I am cautiously optimistic about

threads (in 2.2)

multilang

What I want you to do

Overthrow the tyranny of expediency: start all your new projects in your favorite language!

Questions!

- 🐛 Guile: <http://gnu.org/s/guile/>, #guile on freenode
- 🐛 Words: <http://wingolog.org/>
- 🐛 Slides: <http://wingolog.org/pub/qc-2012-guile-slides.pdf>
- 🐛 Notes: <http://wingolog.org/pub/qc-2012-guile-notes.pdf>