

RAILS3

YeeY

matc aimonetti



FUTURE



MIM
me

matt aimonetti

“morally loose, cheese eating surrender monkey”

Ted Han





+



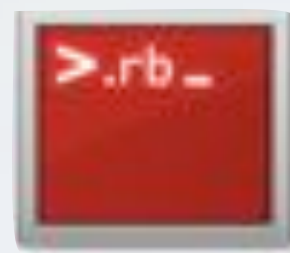
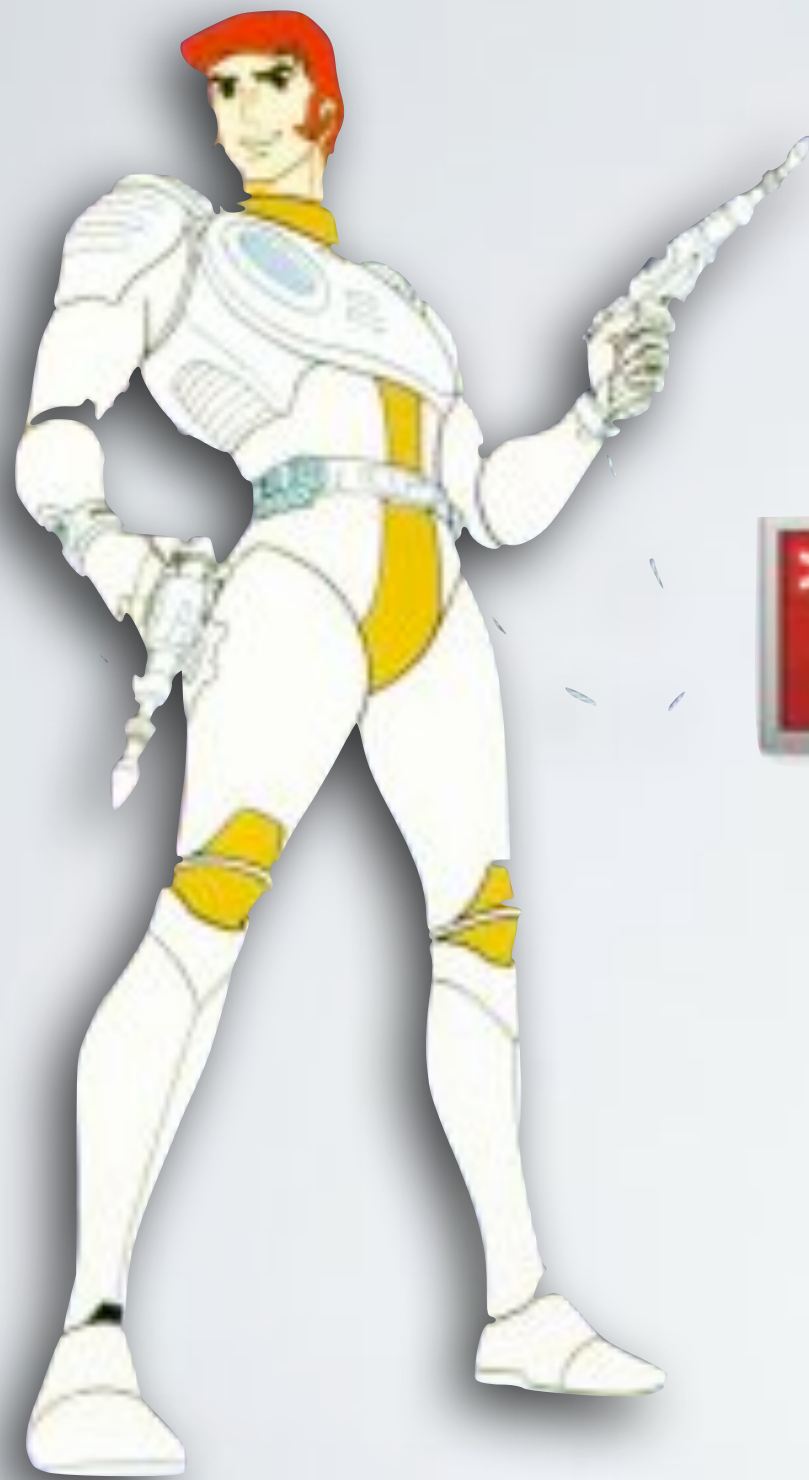
=





CouchDB
relax

16|9X
CONCUDR



MacRuby

FUTURE

time period commonly understood
to contain all events
that have yet to occur.









RAILS 3

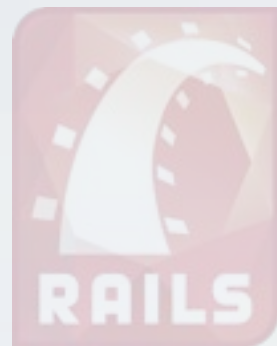
the future of web development





audience

Rails



app developers
entrepreneurs
designers

Merb



app developers
enterprise
plugin authors

audience

Rails 3



app developers
entrepreneurs
enterprise
plugin authors
designers

principles

Rails



programmer happiness
strong conventions
fluent design

Merb



app developers
flexibility
modularity
speed

principles

Rails 3



programmer happiness

strong conventions

fluent design

flexibility

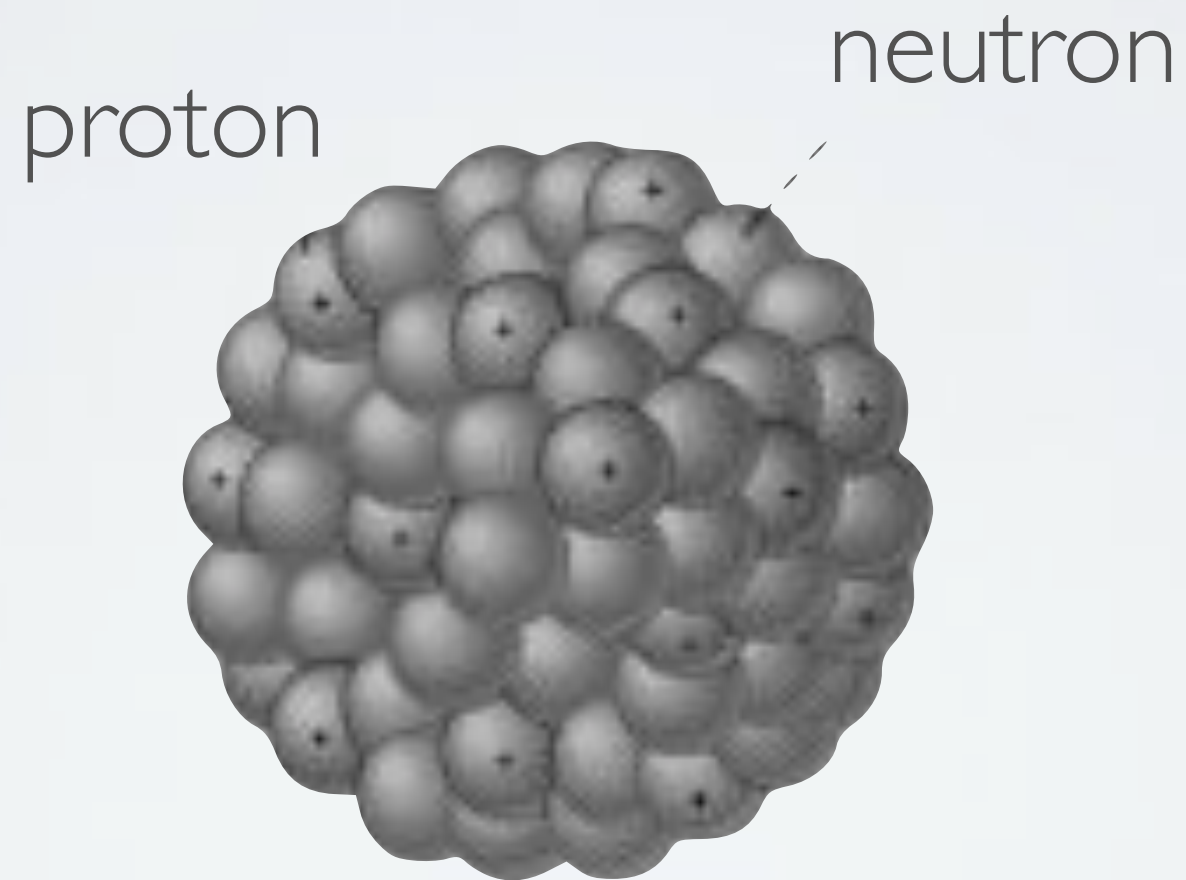
modularity

speed



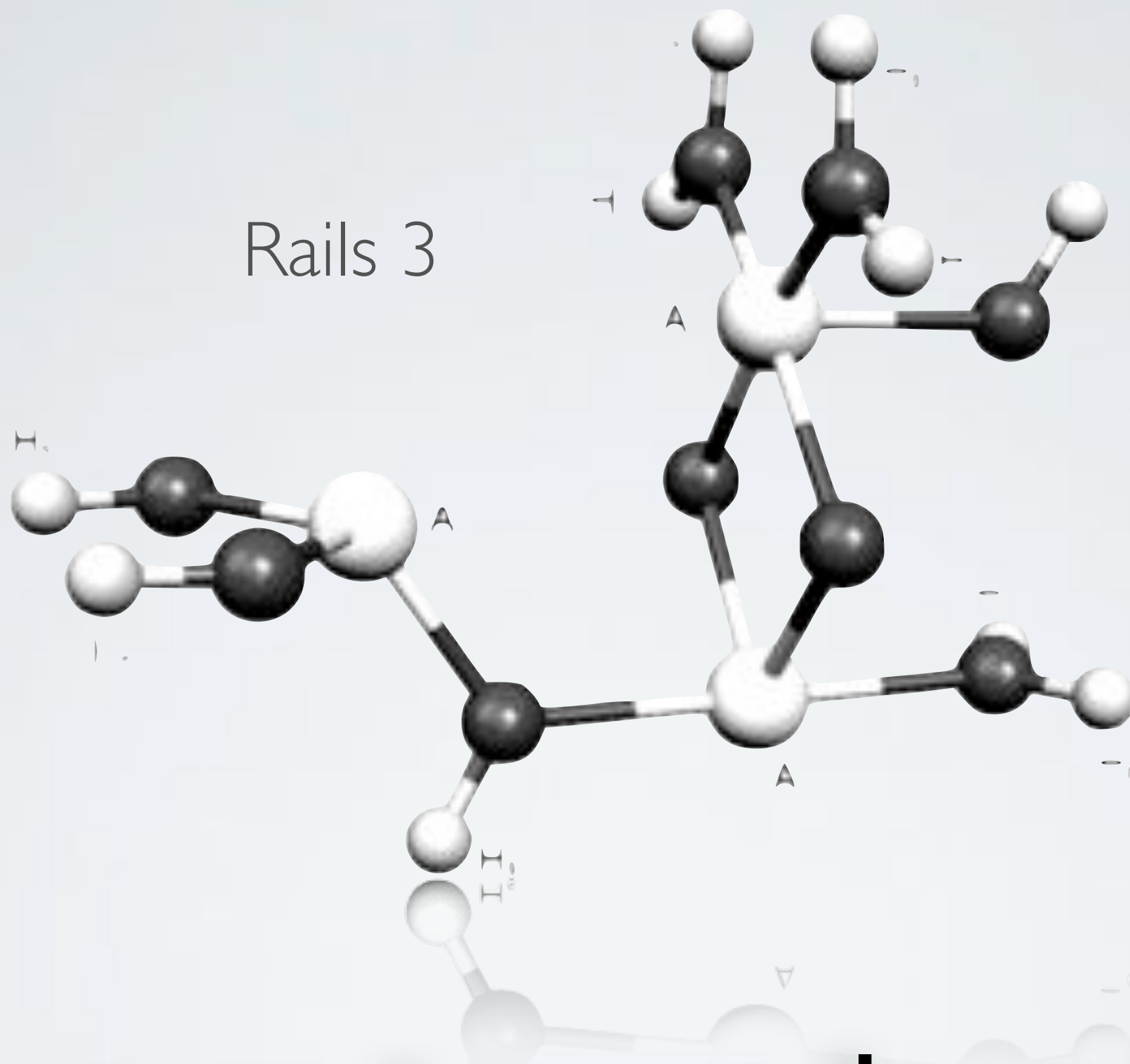
atomic structure

atomic nucleus



Rails 2

Rails 3



atomic cluster











router

match 'awesome/:action'







rack love

constraints/filters


```
constraints(:ip => /192\.168\.1\.\d\d\d/) do
  get 'admin', :to => "dashboard#index"
end
```

rack apps
integration

```
namespace :facebook do
  use MyMiddleware
  match "/game", :to => SinatraApp
end
```

rack app intregation

mountable apps

```
class MyForum < Rails::Application
```

rack entry point



active worker

push_queue

```
Thumbnailer.new(path, user, :action => :process)
```


background process



unobtrusive
javascript

html 5

html ⑤ 'data-*' attributes



ZINEDINE

ZIDANE

 **jQuery**
write less, do more.



one js api
interface for all libs



orm
agnosticity

active_record

still the
default

Active
Relation

common
API

datamapper

Legacy
repository

multiple
repository

query
optimization

various
datastores

sequel

Prepared
Statements

Sharding

Highly
customizable
SQL

Perf

couchrest/
mongoose/
your_orm
etc..

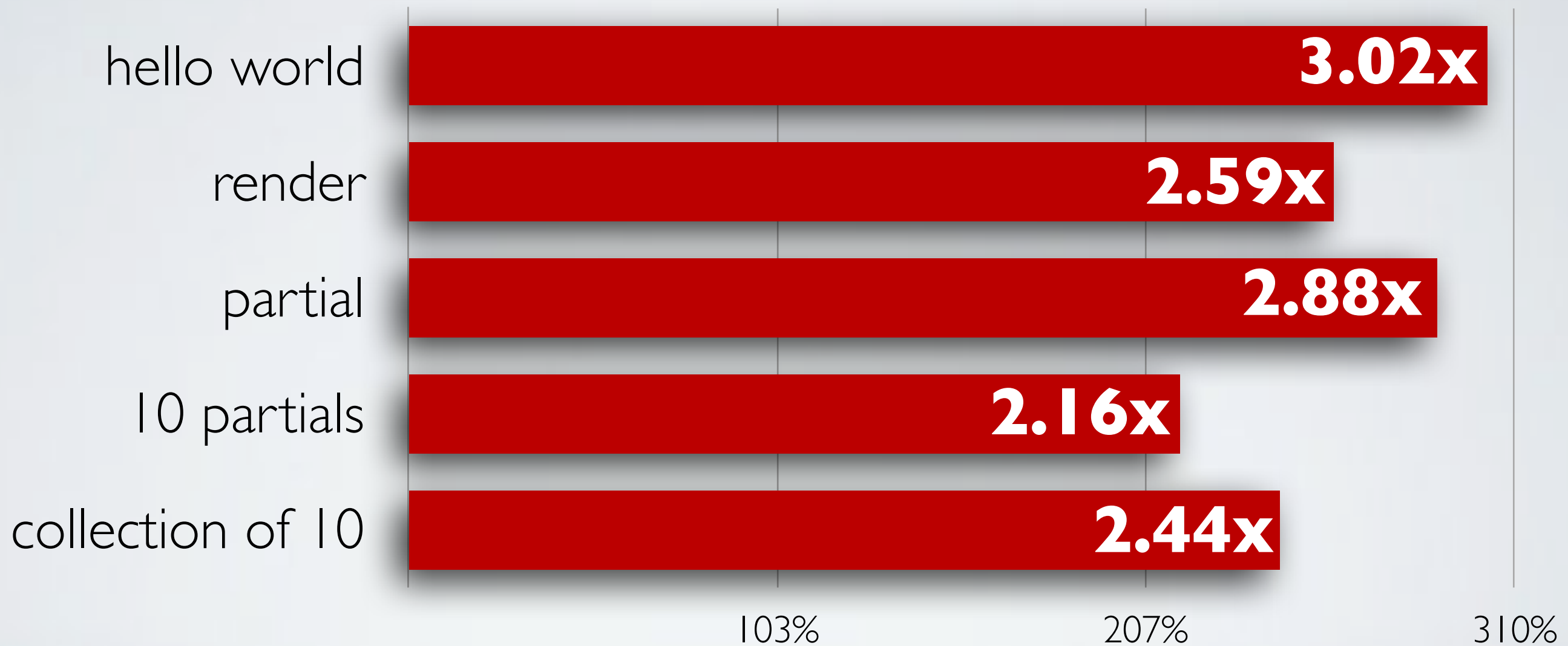




performance

NOT FINAL

RAILS 3 SPEED BOOST

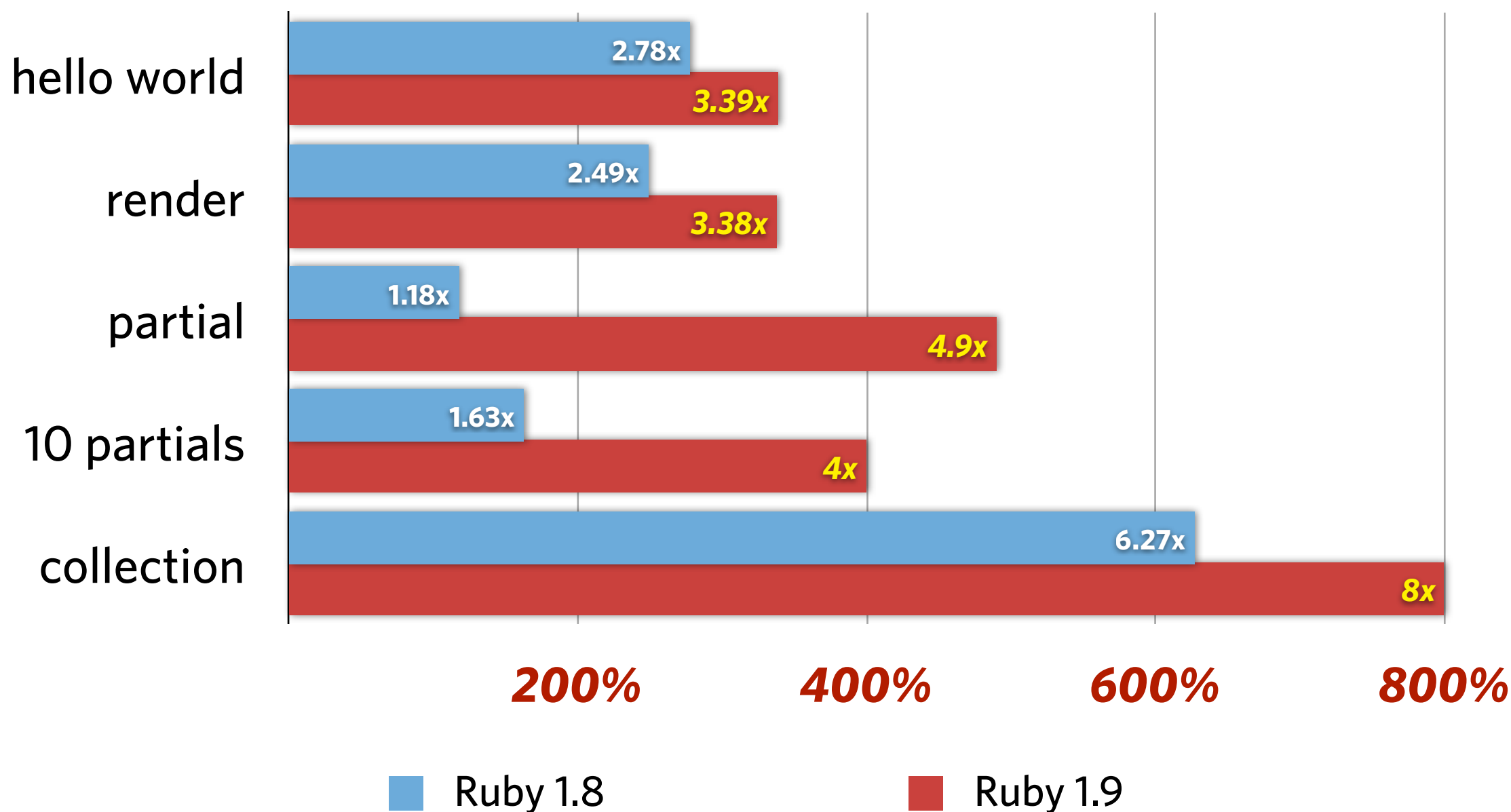


■ Rails 3/Ruby 1.9 benchmarked against Rails 2.3.x/Ruby 1.8.7

JEREMY
KEMPER

RUBY
WORLD
2009

スピードアップ 1.9





RUBY
future

Ruby

1.8.7

1.9.x

IronRuby

JRuby

MacRuby

Rubinius

2.0

Ruby 1.9.x

1.9.x

**better perf
better threading
fibers
official Ruby
recommended**

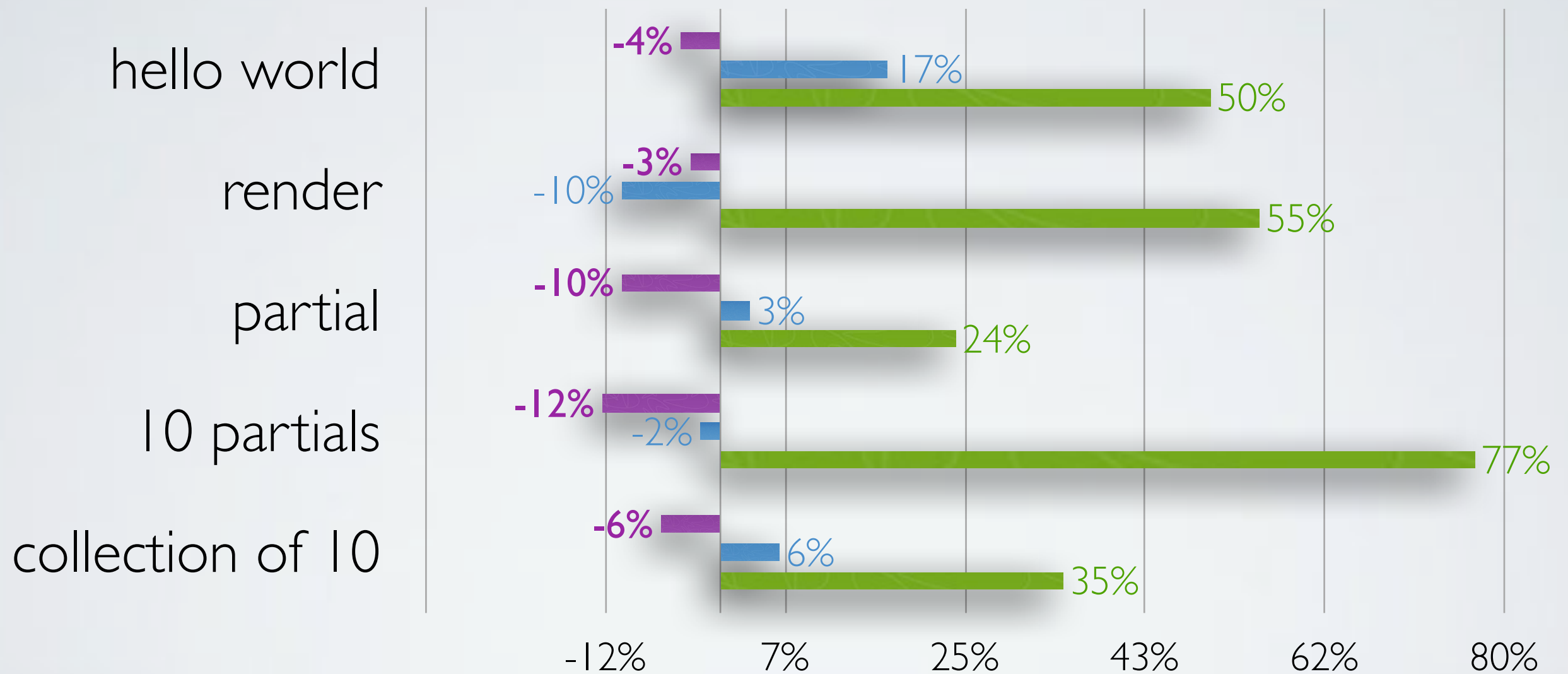
NOT FINAL

RAILS 3 BENCHMARKS

Ruby 1.8.6

REE 1.8.7

Ruby 1.9.1



% faster than Ruby 1.8.7

<http://github.com/mattetti/rails-simple-benches>

!FUTURE?

Ruby 2.0

**not
started**

scalability
performance
maintenability
multiple VMs
selector namespace
method combination
etc..

IronRuby

0.9.1

**.NET integration
VisualStudio 2010?
Silverlight
IIS web server
Microsoft**

!FUTURE?

IronRuby

VisualStudio 201?

better tools

even better

integration

performance

JRuby

1.4.0 RC1

java integration
native threads
deployment
JVM

!FUTURE?

JRuby

- **java profiling/debugging tools**
- **better integration (hibernate..)**
- **.java file compilation**
- **better integration (server, mobile etc..)**
- **performance**

MacRuby

0.5 RC1

Cocoa integration

AOT compilation

performance

GCD

Apple support & tools

OSX platform

iFUTURE? MacRuby

- iPhone
- instrumentation
- better dev tools
- performance
- standardized
- linux
- any C libs
- C extensions

BIASED

Rubinius

0.12

ruby almost **all the way**
full introspection
C extensions

!FUTURE? Rubinius

- **AOT compiler**
- **very powerful debugger**
- **real time profiler**
- **performance**



vocé
you