

Eric Hodel



UPnP

Eric Hodel - drbrain@segment7.net





UPnP Protocol

<http://www.upnp.org>

CALIB
COARSE

CALIB
FINE

MILLIROENTGENS

1 2 3 0

STD 005

KEY

HIT TIME

CP-748(XN-1)PO
COMPUTER INDICATOR, RADIAC
SUPPLY 115V 10-60Hz
FOR USE WITH INTEGRATED RADIAL OF RADIAC
NAVY DEPARTMENT-BUREAU OF SHIPS
EDISONIA, CALIFORNIA & SANTA MONICA,
SANTA MONICA, CALIFORNIA
CONTRACT NO. N-10000

PRINTER

HIT
80-

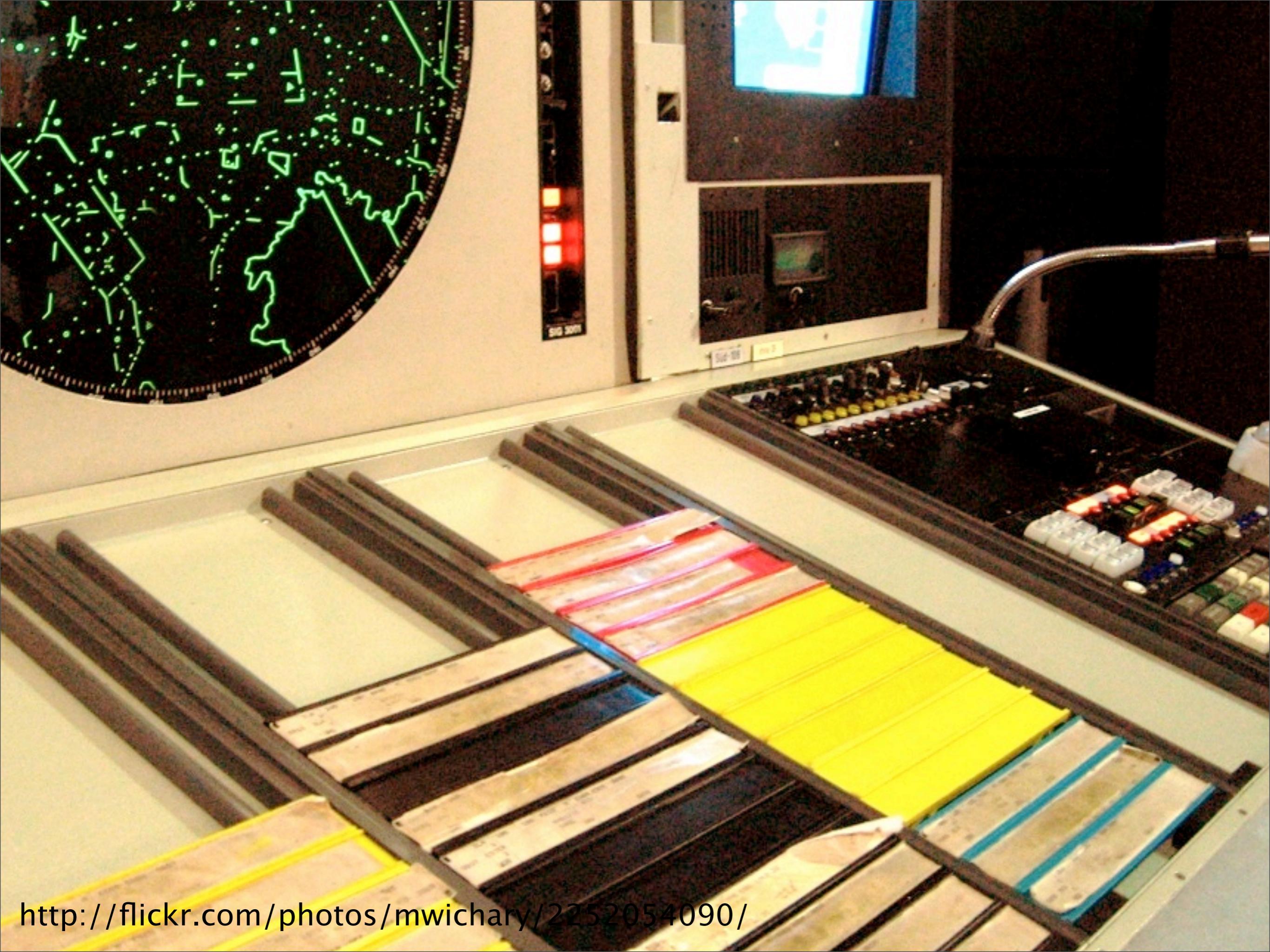
4KHz



<http://flickr.com/photos/kaptainkobold/2121229804/>



<http://flickr.com/photos/jeraoct/2785935051/>



<http://flickr.com/photos/mwichary/2252054090/>





Library Goals



<http://flickr.com/photos/crowt59/2157165382/>



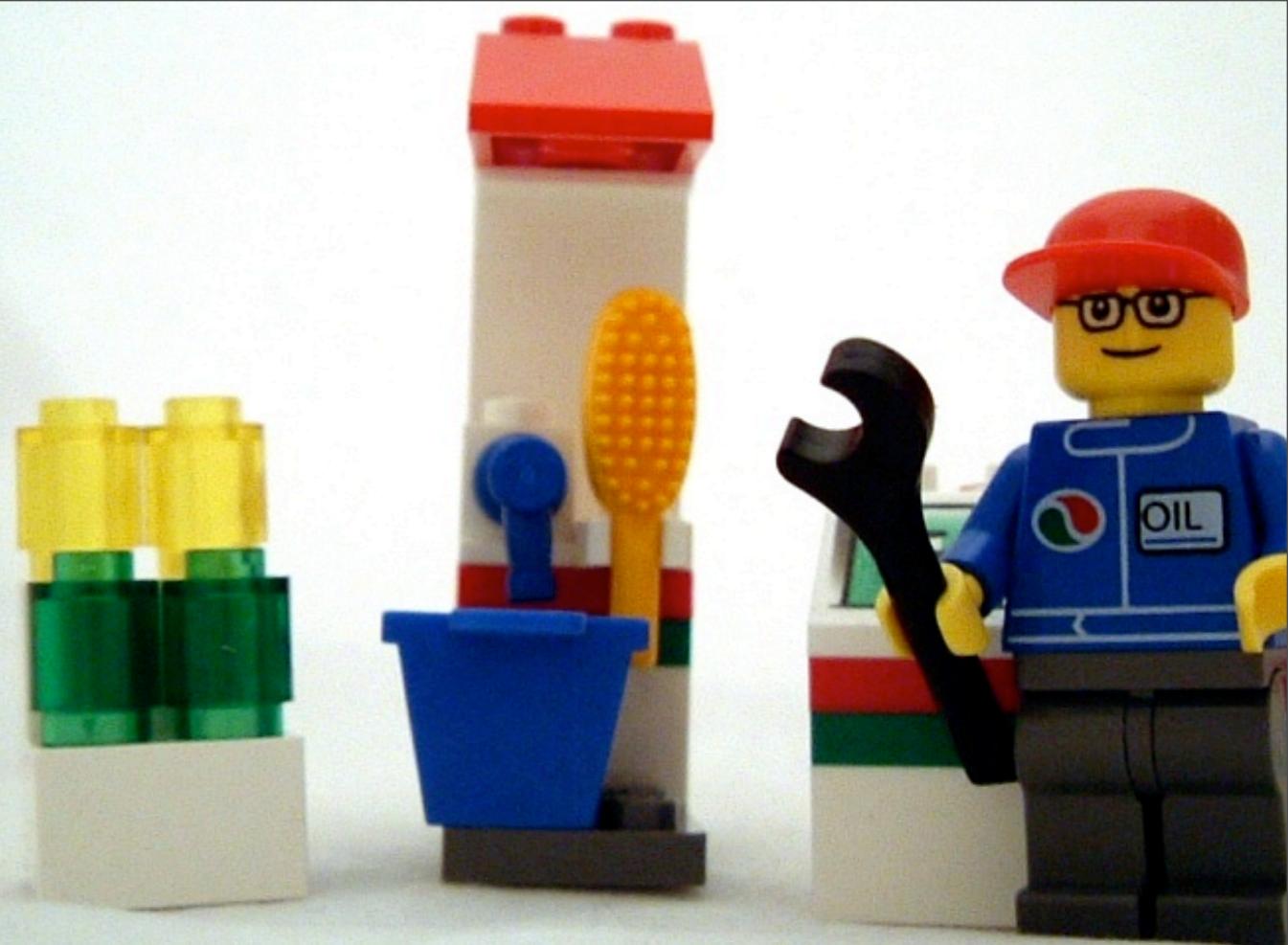


UPnP-MediaServer



UPnP-MediaServer





C - . . .
D - . .
E .
F
G - - .
H
I . . .

L . - . .
M - -
N - .
O - - -
P . - - .
Q - - - -
R - : = :

U . . -
V . . . -
W . - -
X - . . -
Y - . - -
Z - - - .
I . - - - -

4
5
6 -
7 - - . . .
8 - - - . .
9 - - - - .
Ω - - - - -

www -
- wait where our paths cross - o

"
A I M M E N
- - - - - - - - -
L O T R
- - - - - - - - -

as you -
- - - - - - - -

Sincerely,
Your Brother in Destiny
CM

WANTED BY THE FBI

NON FUGITIVE

WILLIAM KENNETH CLINGERMAN



DESCRIPTION

Age: 30
Sex: Male
Complexion: Light
Height: 5'10"
Weight: 180 pounds
Build: Medium
Hair: Black

CRIMINAL RECORD

AFFILIATIONS

CRIMINAL RECORD

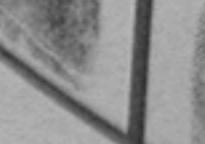
FEDERAL PROCESS

If you have information concerning this individual, please contact your nearest U.S. Attorney's Office or the FBI office nearest you. All information is confidential and protected by law.

U.S. ATTORNEY'S OFFICE
FBI OFFICES ARE LISTED ON THE BACK.
DO NOT CALL 911



Photograph dated 1995



WANTED BY FBI

NATHANIEL JAMES GIBBS

FBI No.
233006H

Date of Birth: April 18, 1978
Place of Birth: California
Height: 5'11"
Weight: 160 pounds
Build: Medium
Hair: Black

Eyes: Green
Complexion: Light
Sex: Male
Race: Unknown
Nationality: Unknown
Social Security Number: 533-50-9022

Scars and Marks: Unknown
Occupation(s): Art student at Rensselaer Polytechnic Institute.
Remarks: Last seen photographing bridges in Albany, NY.



Current Status

- Images w/ thumbnails and transcoding
- MP3 w/ track info
- Device-supported video formats

JD Barnhart

More Blinking Lights

jd barnhart

rubyconf 2008

(thoughts on extending the RAD DSL)

Ruby

Enjoyable

It made programming
fun again

Productivity

Efficiency

Why we choose ruby

We all love power

Extend it

To things.

One Problem



Fortunately

Timing is everything.

Tim
g.



sparkfun ELECTRONICS

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Oh Snap!

November 4, 2008 | 7 comments

page: 1 2 3 4 5 ... 15 »

Truth, on the windows in the break room, at SparkFun

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\$14.99US \$14.99CAN

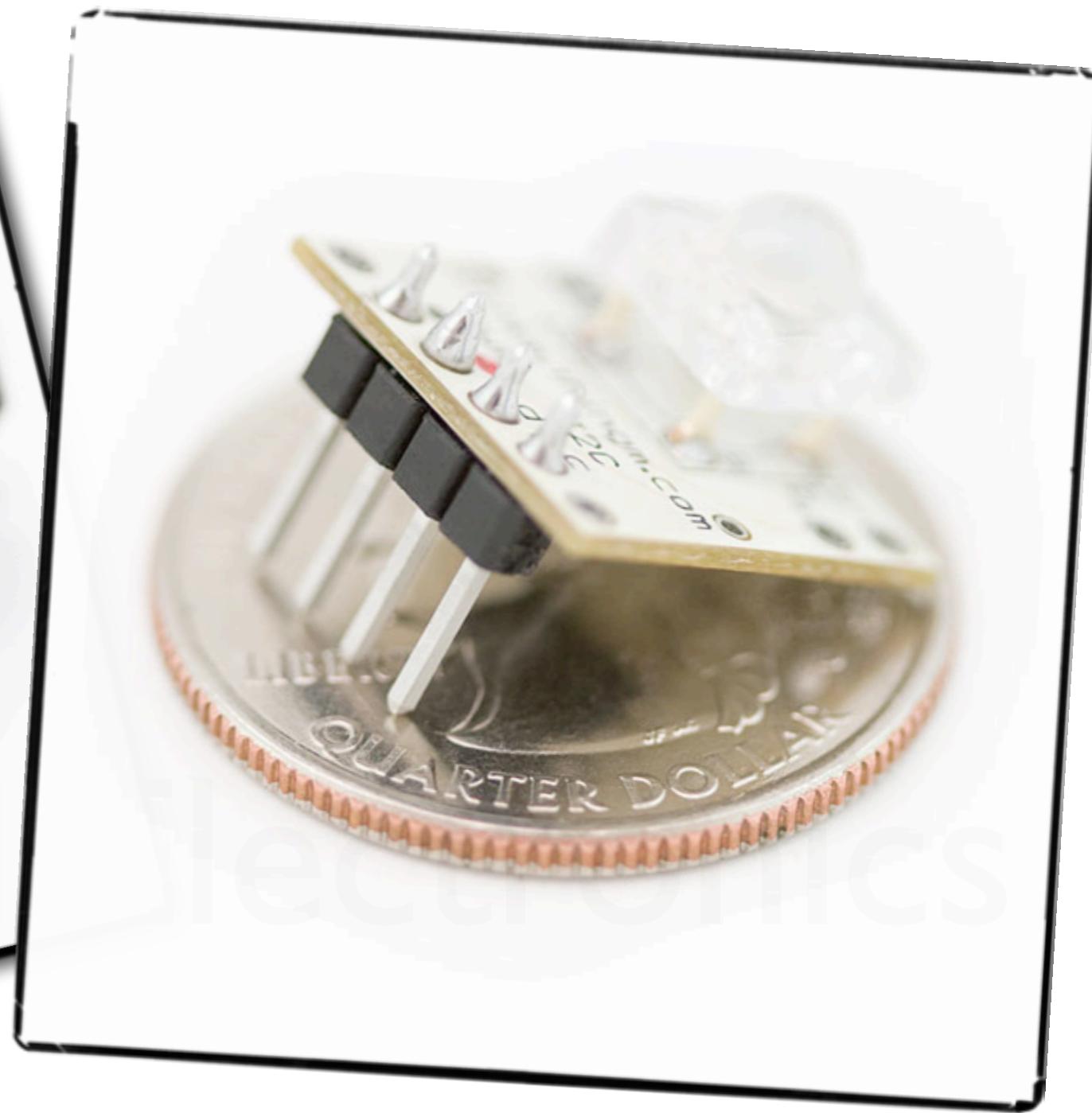
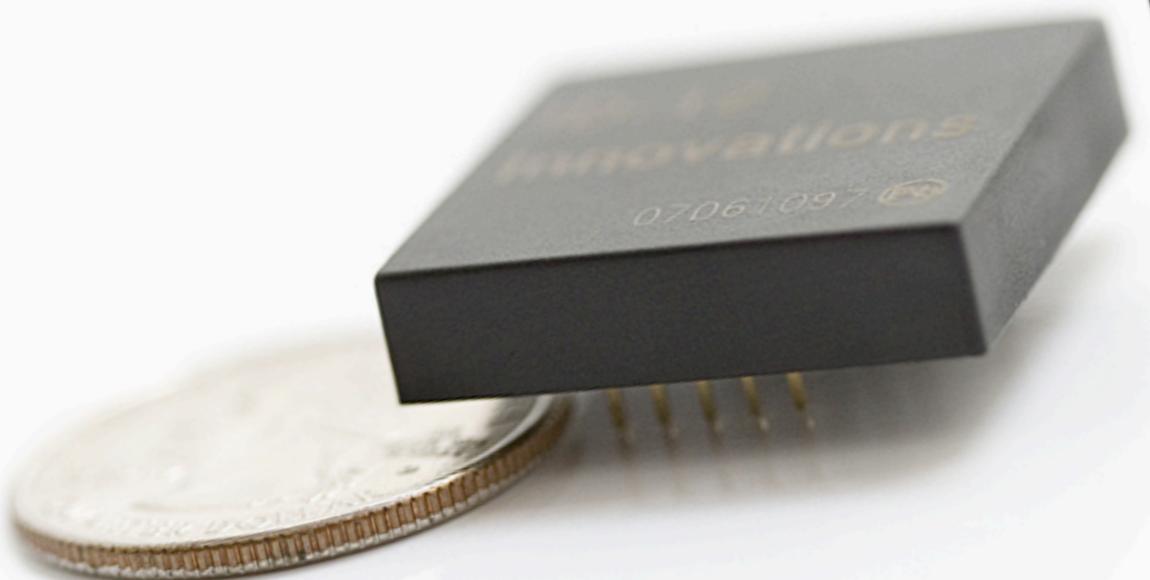
847

g.

Curated Electronics

electronics



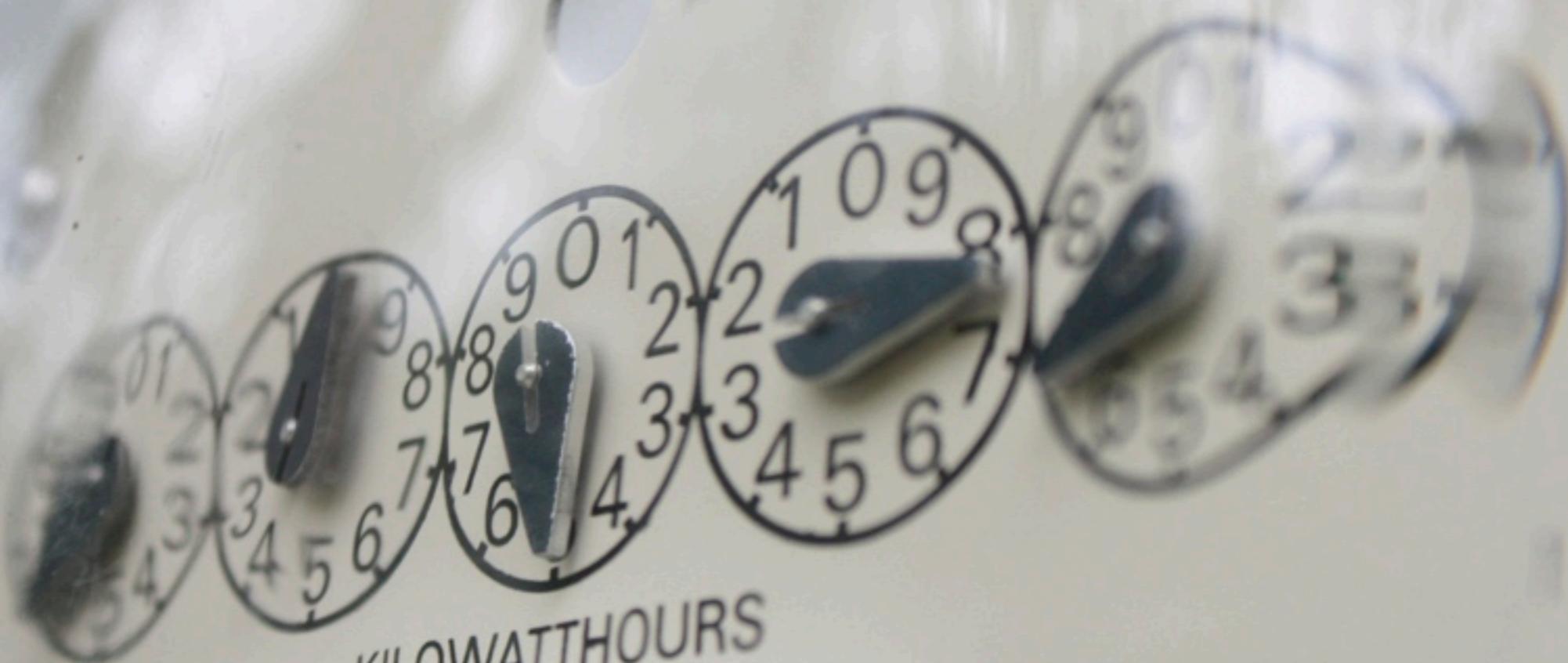




So we have the tools

Network of Devices

Rr 27⁷/₉
SANGAMO



CL200 240V 3W • TYPE JSS 30TA 2203

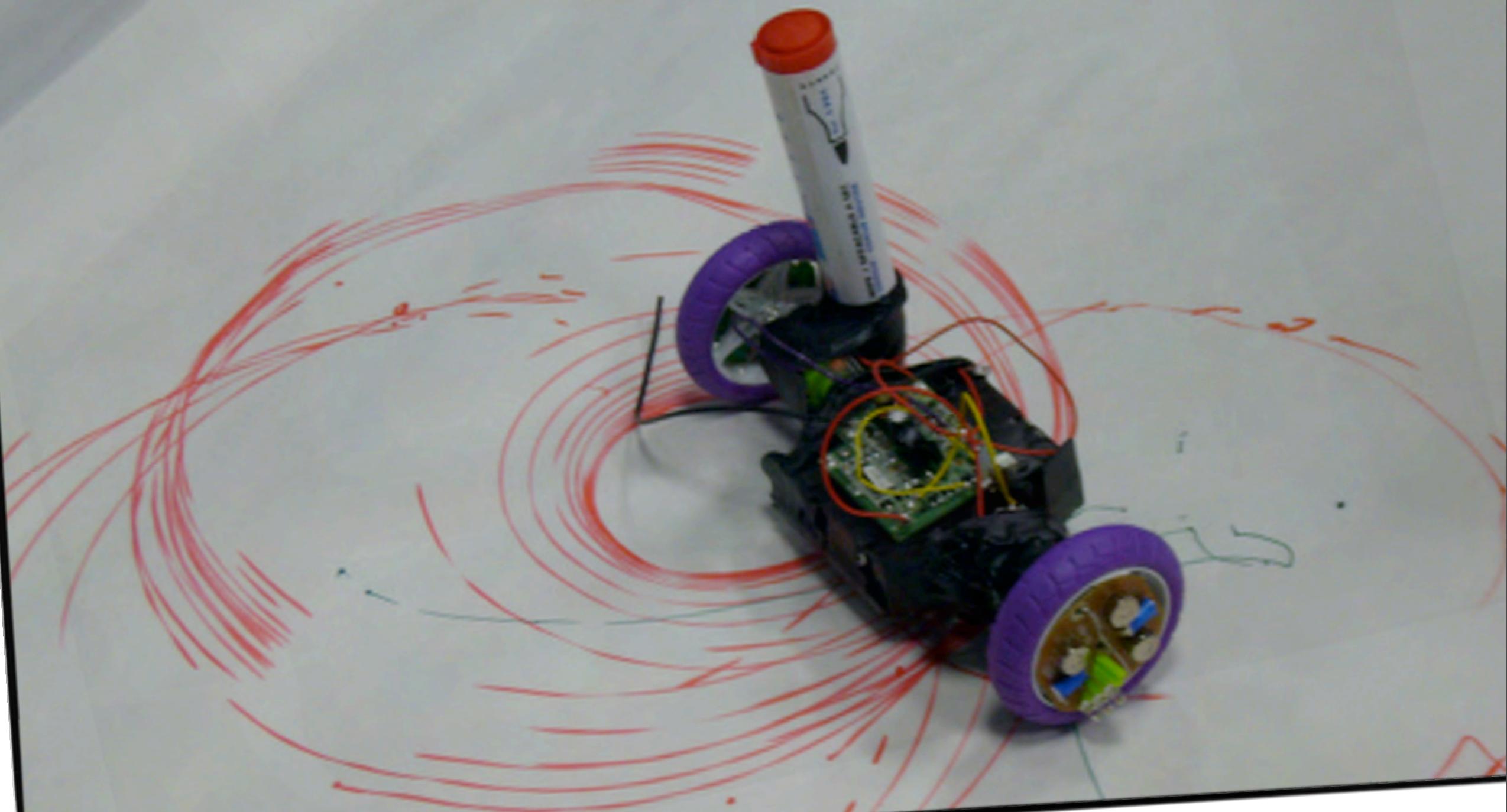
070428854

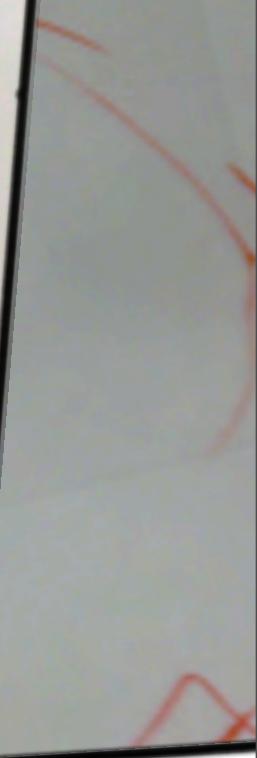
Arduino

Little Chip

Bunch of Ports









Arduino Fever

The tale of a cute, blue microcontroller that fits nicely in the palm of your hand, and the expanding community of developers who love and support it. By Daniel Jolliffe

ARDUINO IS SPREADING RAPIDLY across the globe. But before you reach for the Merck Manual to find the symptoms you're

build a basic level of intelligence into an object. Once programmed, it can read sensors, make simple decisions, and control myriad devices in the real world.

Ruby Arduino Development

Greg Borenstein



Arduino
Pment

Hello World

```
class RubyConf < ArduinoSketch
```

```
output_pin 13, :as => :my_led
```

```
def loop
```

```
  my_led.blink 200
```

```
end
```

```
end
```

Great!

Get the Servos

Needed additions:

Smart Pin Declarations

```
class RubyConf < ArduinoSketch

output_pin 13, :as => :my_led

def loop
  ...
end

def another_method
  ...
end

end
```

```
class RubyConf < ArduinoSketch

output_pin 13, :as => :my_led
input_pin 6, :as => :my_button, :device => :button

def loop
    ...
end

def another_method
    ...
end

end
```

```
class RubyConf < ArduinoSketch

output_pin 13, :as => :my_led
input_pin 6, :as => :my_button, :device => :button
input_pin 6, :as => :my_servo, :device => :servo

def loop
    ...
end

def another_method
    ...
end

end
```

Plus: i2c, one wire,
lcds, eeprom,
ethernet

More Libraries

Brian Riley



Libraries

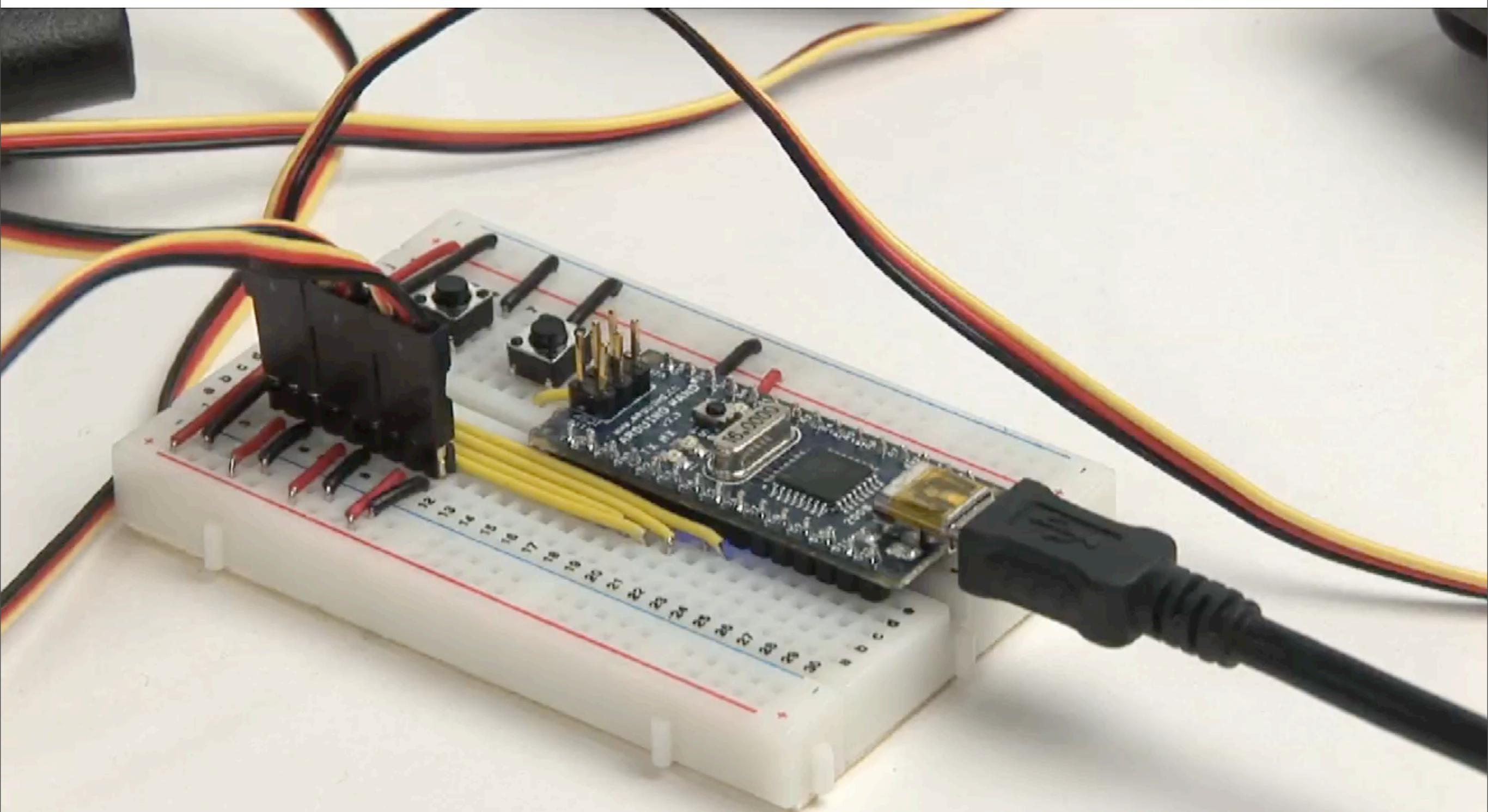
Modular Plugins

More Translation

More Damn Parentheses

```
when :times then
  var.shift
  start_value = s(:lit, 0)
  finish_value = lhs
  var_name = var.shift
  body.find_and_replace_all(:dvar, :lvar)
  result = s(:dummy,
    s(:lasgn, var_name, start_value),
    s(:while,
      s(:call, s(:lvar, var_name), :<,
        s(:arglist, finish_value)),
      s(:block,
        body,
        s(:lasgn, var_name,
          s(:call, s(:lvar, var_name), :+,
            s(:arglist, s(:lit, 1))))), true))
```

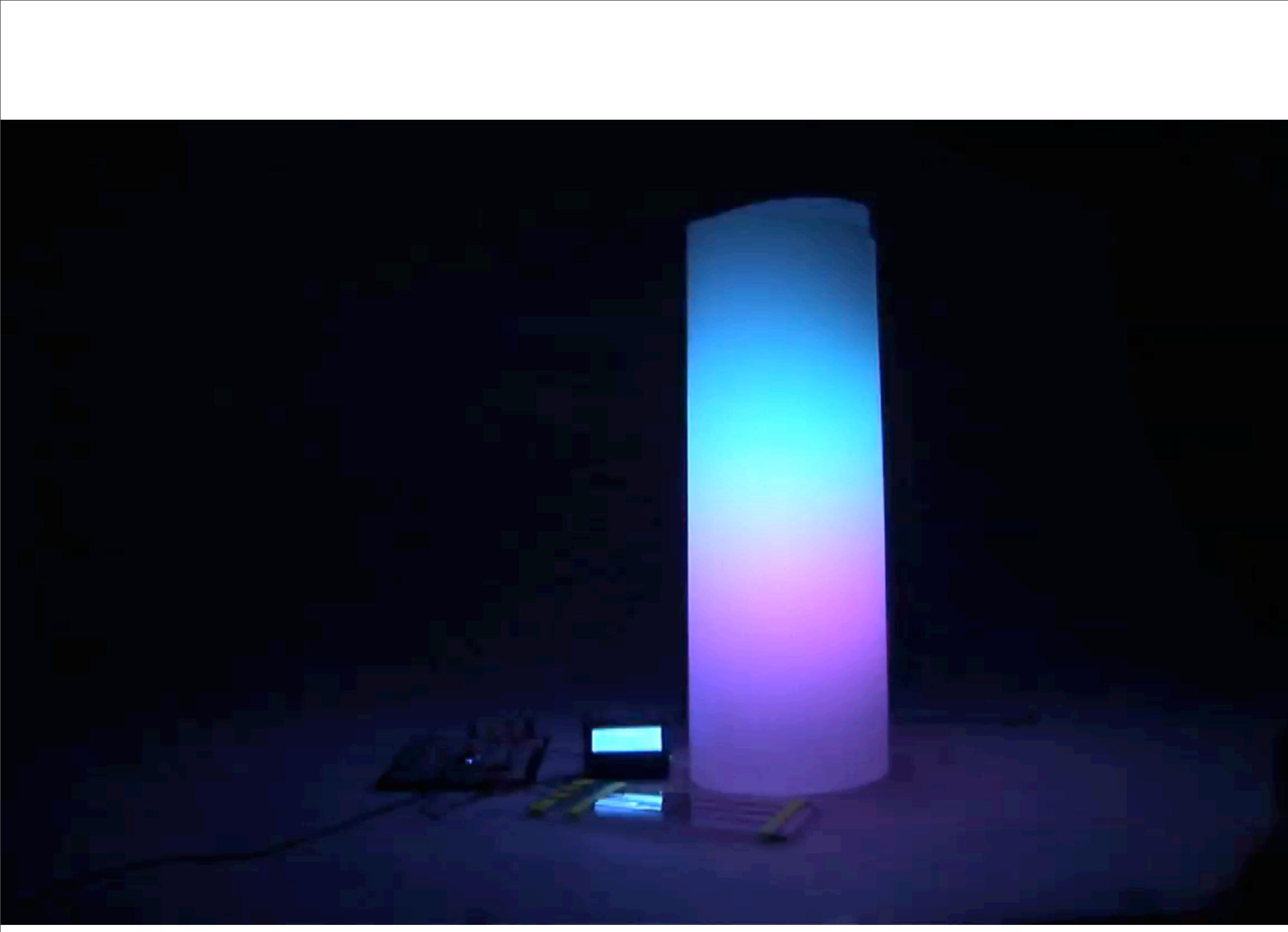
The Result



Demos

Simple RFID

Blink M Tower



```
class BlinkMBis < ArduinoSketch

# ...

output_pin 19, :as => :wire, :device => :i2c,
           :enable => :true

input_pin 7,   :as => :button_one, :device => :button
input_pin 10,  :as => :button_four, :device => :button

input_pin 1,   :as => :slider_one, :device => :spectra
input_pin 2,   :as => :slider_two, :device => :spectra
input_pin 3,   :as => :slider_three, :device => :spectra

output_pin 5,  :as => :my_lcd, :device => :pa_lcd,
             :rate => 19200, :clear_screen => :true
```

```
def dance
    my_lcd.clearscr
    10.times do
        # 1-255, with 1 producing the slowest fade
        BlinkM_setFadeSpeed(@addr_all, 20)
        my_lcd.setxy 0,0, "Do the shimmy.."
        my_lcd.setxy 0,1
        @blink_addresses.each do |a|
            BlinkM_fadeToRGB(a, 1,166,138)
            delay 100
        end
        @blink_addresses.each do |a|
            BlinkM_fadeToRGB(a, @r,@g,@b)
            delay 100
        end
    end
end
```

Remote control Book

```
class XbeeBlink < ArduinoSketch

output_pin 13, :as => :led
output_pin 4, :as => :my_servo, :device => :servo, :position => 5
input_pin 6, :as => :button_one, :device => :button # check button...
serial_begin
@val = int

def loop
  send_message if button_one.read_input
  if serial_available
    @val = serial_read
    if @val == 'g'
      acknowledge
    end
  end
end

def send_message
  serial_print('g')
  3.times { led.blink 50 }
end

def acknowledge
  5.times { led.blink 50 }
  open_cover
  bounce_cover
  close_cover
end
```

```
def open_cover
    my_servo.position 80
    move_servo 1000
end

def bounce_cover
    3.times do |open|
        my_servo.position 70
        move_servo 100
        delay 10
        my_servo.position 80
        move_servo 100
    end
end

def close_cover
    my_servo.position 5
    move_servo 1000
end

def move_servo(t)
    t.times do
        delay 1
        servo_refresh
    end
end

end
```

Thanks

Thanks

<http://rad.rubyforge.org>

<http://jdbarnhart.com/arduino>

Phil

Ryan Davis

Confessions
of a
Ruby Sadist



Confessions of a Ruby Sadist

Philosophy

People will
press charges
if you hurt
them

Code
won't

So *Top* your
code

Make the
code your
bitch

Beat it into
submission

Ruby Sadism:

noun

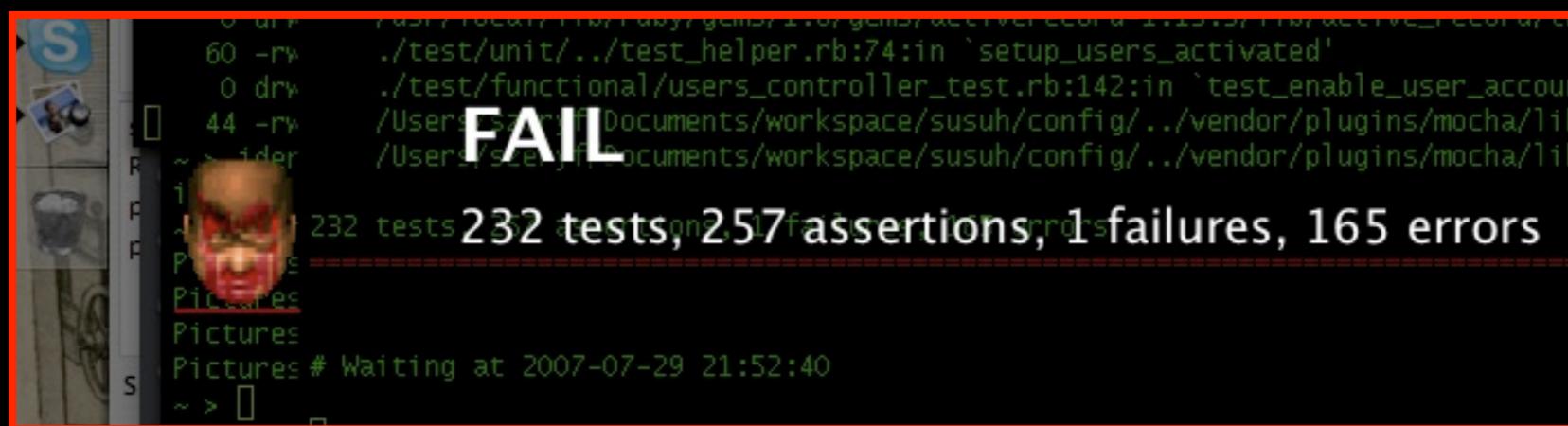
*Deriving pleasure from
inflicting pain on software.*

Esp. bad software.

Autotest

the Howitzer of Testing

- You probably didn't realize that using autotest is a form of ruby sadism and asceticism, did you?
- Poor doom guy...



A screenshot of a terminal window on a Mac OS X desktop. The window title is 'Autotest' and it shows the results of a test run. The output is as follows:

```
./test/unit/.../test_helper.rb:74:in `setup_users_activated'  
./test/functional/users_controller_test.rb:142:in `test_enable_user_account'  
/Users/szefi/Documents/workspace/susuh/config/.../vendor/plugins/mocha/lib  
/Users/szefi/Documents/workspace/susuh/config/.../vendor/plugins/mocha/lib  
FAIL  
-----  
232 tests, 25 assertions, 1 failure, 165 errors  
# Waiting at 2007-07-29 21:52:40
```

The entire terminal window is highlighted with a red rectangle.

Seattle.rb Rulez — emacs — 981

```
# ensure we add test_blah.rb when test_blah.rb itself updates
util_find_files_to_test(@test, @test => [])
end

def test_flunk
  # flunk "this is a demo. yay for failures!"
end

def test_handle_results
  @a.files.to test.clear
-uu-:---F1  test autotest.rb  52% (145,4)      (Ruby Outl Icy Abbrev)-----
512 % ruby -Ilib bin/autotest

-uu1:**-F1  autotest          All (1,30)      (Shell:run Icy Shell-Compile)-----
```

Heckle

Make Your Tests Cry




```
def isAwesome?  
  x if @awesome  
end
```

```
def isAwesome?  
  x if @awesome  
end
```

Started

.....
Finished in 1.638607 seconds.

10 tests, 42 assertions, 0 failures, 0 errors

```
def isAwesome?  
  x if @awesome  
end
```

```
def isAwesome?  
  x unless @awesome  
end
```

Started

.....
Finished in 1.638607 seconds.

10 tests, 42 assertions, 0 failures, 0 errors

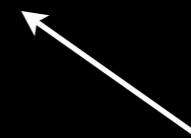
```
def isAwesome?  
  x if @awesome  
end
```

```
def isAwesome?  
  x unless @awesome  
end
```

Started

.....
Finished in 1.638607 seconds.

10 tests, 42 assertions, 0 failures, 0 errors



```
def isAwesome?  
  x if @awesome  
end
```

```
def isAwesome?  
  x unless @awesome  
end
```

morphed

Started

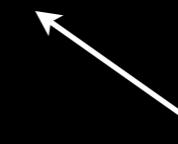
.....
Finished in 1.638607 seconds.

10 tests, 42 assertions, 0 failures, 0 errors

```
def isAwesome?  
  x if @awesome  
end
```

```
Started  
.....  
Finished in 1.638607 seconds.  
10 tests, 42 assertions, 0 failures, 0 errors
```

```
def isAwesome?  
  x unless @awesome  
end
```



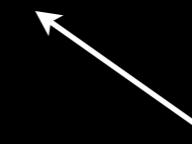
morphed

```
Started  
.....  
Finished in 1.314607 seconds.  
10 tests, 42 assertions, 0 failures, 0 errors
```

```
def is_awesome?  
  x if @awesome  
end
```

```
Started  
.....  
Finished in 1.638607 seconds.  
10 tests, 42 assertions, 0 failures, 0 errors
```

```
def is_awesome?  
  x unless @awesome  
end
```



morphed

```
Started  
.....  
Finished in 1.314607 seconds.  
10 tests, 42 assertions, 0 failures, 0 errors
```

BAD!!!

Flog

Because Beatings Build Character

```
class Test
  def blah          # 11.2 =
    a = eval "1+1" # 1.2 + 6.0 +
    if a == 2 then # 1.2 + 1.2 + 0.4 +
      puts "yay"   # 1.2
    end
  end
end
```

```
Test#blah: (11.2)
  6.0: eval
  1.2: branch
  1.2: ==
  1.2: puts
  1.2: assignment
  0.4: lit_fixnum
```

Flay

The New Kid

```
% flay unit/itemconfig.rb  
Processing unit/itemconfig.rb...
```

Matches found in :when (mass = 572)
unit/itemconfig.rb:343
unit/itemconfig.rb:379
unit/itemconfig.rb:706
unit/itemconfig.rb:742

Matches found in :when (mass = 500)
... and so on

```

when /^(#{__item_numval_optkeys(tagid(tag0rId)).join(' | ')})$/
  # conf =
  tk_split_simplelist(_fromUTF8(tk_call_without_enc(*(__item_configinfo_cmd(tagid(tag0rId)) << "-#{slot}"))))
  conf =
  tk_split_simplelist(tk_call_without_enc(*(__item_configinfo_cmd(tagid(tag0rId)) << "-#{slot}")), false, true)

  if (__item_configinfo_struct(tagid(tag0rId))[:default_value] \
    && conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]]) )
  begin
    conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]] =
      number(conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]])
  rescue
    conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]] = nil
  end
end
if ( conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] )
  begin
    conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] =
      number(conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]])
  rescue
    conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] = nil
  end
end

```

```

when /^(#{__item_boolval_optkeys(tagid(tag0rId)).join('|')})$/
  # conf =
  tk_split_simplelist(_fromUTF8(tk_call_without_enc(*(__item_configinfo_cmd(tagid(tag0rId)) << "-#{slot}"))))
  conf =
  tk_split_simplelist(tk_call_without_enc(*(__item_configinfo_cmd(tagid(tag0rId)) << "-#{slot}")), false, true)

  if (__item_configinfo_struct(tagid(tag0rId))[:default_value] \
    && conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]]) )
  begin
    conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]] =
      bool(conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]])
  rescue
    conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]] = nil
  end
end
if ( conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] )
  begin
    conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] =
      bool(conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]])
  rescue
    conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] = nil
  end
end

```

```

when /^(#{__item_numval_optkeys(tagid(tag0rId)).join(' | ')})$/
  # conf =
  tk_split_simplelist(_fromUTF8(tk_call_without_enc(*(__item_configinfo_cmd(tagid(tag0rId)) << "-#{slot}"))))
  conf =
  tk_split_simplelist(tk_call_without_enc(*(__item_configinfo_cmd(tagid(tag0rId)) << "-#{slot}")), false, true)

  if (__item_configinfo_struct(tagid(tag0rId))[:default_value] \
    && conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]]) )
  begin
    conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]] =
      number(conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]])
  rescue
    conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]] = nil
  end
end
if ( conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] )
  begin
    conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] =
      number(conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]])
  rescue
    conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] = nil
  end
end

```

```
when /^(#{__item_boolval_optkeys(tagid(tag0rId)).join('|')})$/
  # conf =
  tk_split_simplelist(_fromUTF8(tk_call_without_enc(*(__item_configinfo_cmd(tagid(tag0rId)) << "-#{slot}"))))
  conf =
  tk_split_simplelist(tk_call_without_enc(*(__item_configinfo_cmd(tagid(tag0rId)) << "-#{slot}")), false, true)

  if (__item_configinfo_struct(tagid(tag0rId))[:default_value] \
    && conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]]) )
  begin
    conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]] =
      bool(conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]])
  rescue
    conf[__item_configinfo_struct(tagid(tag0rId))[:default_value]] = nil
  end
end
if ( conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] )
begin
  conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] =
    bool(conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]])
rescue
  conf[__item_configinfo_struct(tagid(tag0rId))[:current_value]] = nil
end
end
```

Shiny Shit

Mmmmm Candy

So you've
seen
ParseTree

and probably
ruby2ruby

and you may
have played
with
RubyInline

but we also
have ruby2c

and a code
profiler

profiler +
ParseTree +
ruby2c +
rubyinline = ?

\$

rad

Thank
You

Aaron Patterson

Seattle.rb member and Internetexpert

私は猫舌です。

Welcome To
RubyConf 2008



International House Of Nerds

106 slides.

- Nokogiri
- History of Seattle.RB

Nokogiri

(ノコギリ) It means “hacksaw”

Nokogiri

- HTML
- XML
- XSLT
- i123456n
- XPath
- CSS3

libxml2

- Speed
- Standards Compliant
- Popular
- Well Supported
- DRY

```
require 'open-uri'
require 'nokogiri'

doc = Nokogiri::HTML(open('http://slashdot.org/').read)

doc.css('div#logo > h1 > a').each do |node|
  puts node.inner_text
end
```

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Slashdot stories can be listened to in audio form via an RSS feed, as
read by our own robotic overlord.

Your Rights Online: Microsoft's Internal Advice About Patents

Posted by [timothy](#) on Thursday November 06, @02:34PM
from the had-that-idea-first dept.

[BigPoppaT](#) writes

"[Eric Brechner](#) writes a best practices blog called [Hard Code](#) for Microsoft under the name I.M. Wright. His most recent post sounds like an endorsement of open source development (and does end with a call for Microsoft developers to participate in the shared source community). But even



Inspect Edit : a < h1 < div#logo < div#hd < div#doc3.yui-t6 < body < html

Console [HTML](#) CSS Script DOM Net Options

Style Layout DOM Options

```
<div id="doc3" class="yui-t6">
  <div id="hd">
    <div id="logo">
      <h1>
        <a href="//slashdot.org">
```

```
#logo a {
  height: 60px;
  left: 0;
  position: absolute;
  top: 0;
  width: 430px;
}

a:visited {
  color: #AAAAAA;
```

Done

The screenshot shows the Firebug developer toolbar with the "HTML" tab selected. A red circle highlights the current node path in the status bar: "a < h1 < div#logo". The main panel displays the DOM tree structure:

```
<div id="doc3" class="yui-t6">
  <div id="hd">
    <div id="logo">
      <h1>
        <a href="//slashdot.org">
          </a>
        </h1>
      <div id="slogan">
        </div>
```

The node `` is highlighted with a blue selection bar.

Done

```
require 'open-uri'
require 'nokogiri'

doc = Nokogiri::HTML(open('http://slashdot.org/').read)

doc.css('div#logo > h1 > a').each do |node|
  puts node.inner_text
end
```

Speed

let's look at some numbers

I Love Hpricot

API Comparison

Parsing a Document

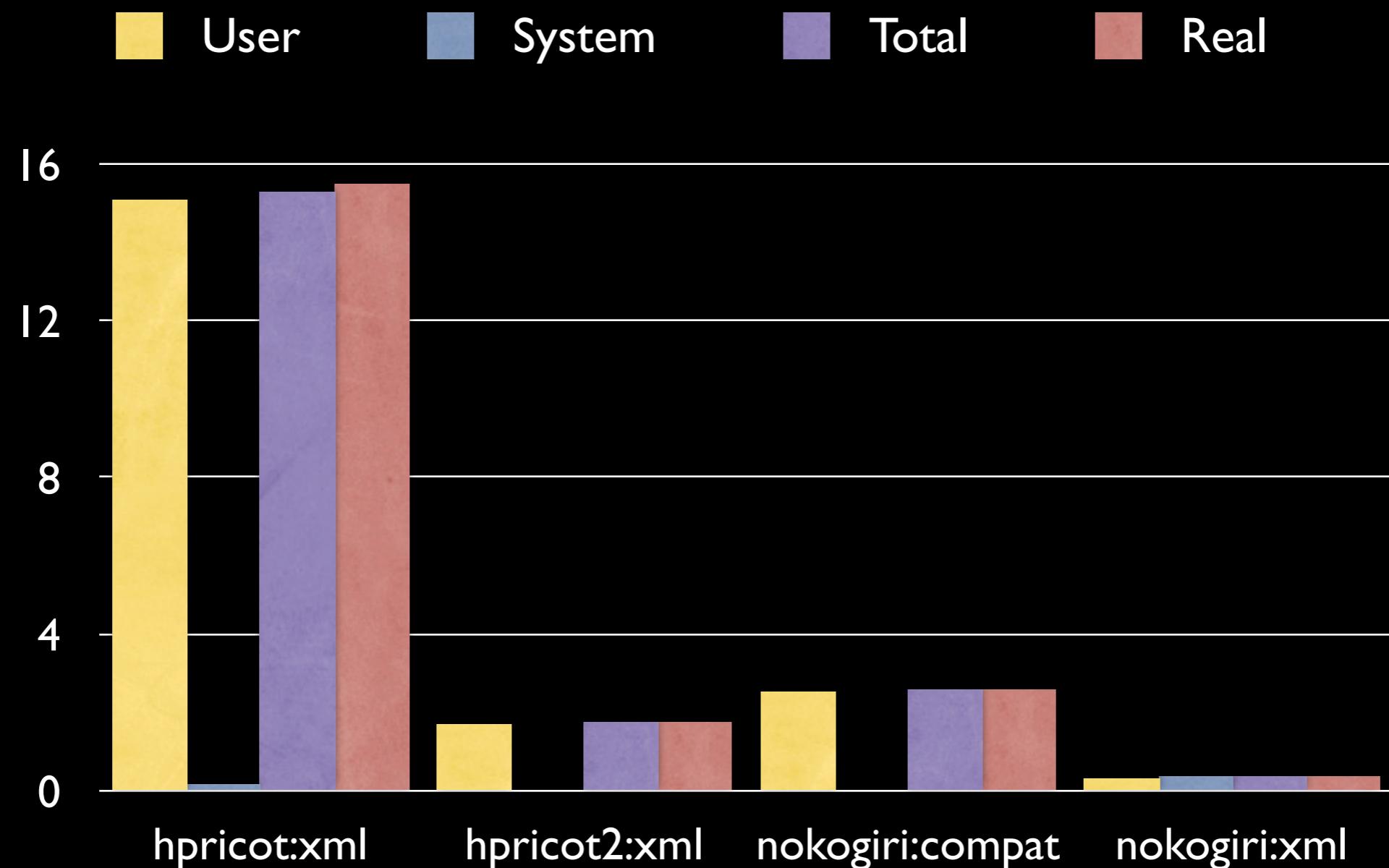
```
hdoc_xml      = Hpricot.XML(xml_content)
hdoc_xml2     = Hpricot.scan(xml_content)
ndoc_compat   = Nokogiri.Hpricot(xml_content)
ndoc_xml      = Nokogiri::XML(xml_content)
```

API Comparison

Searching a Document

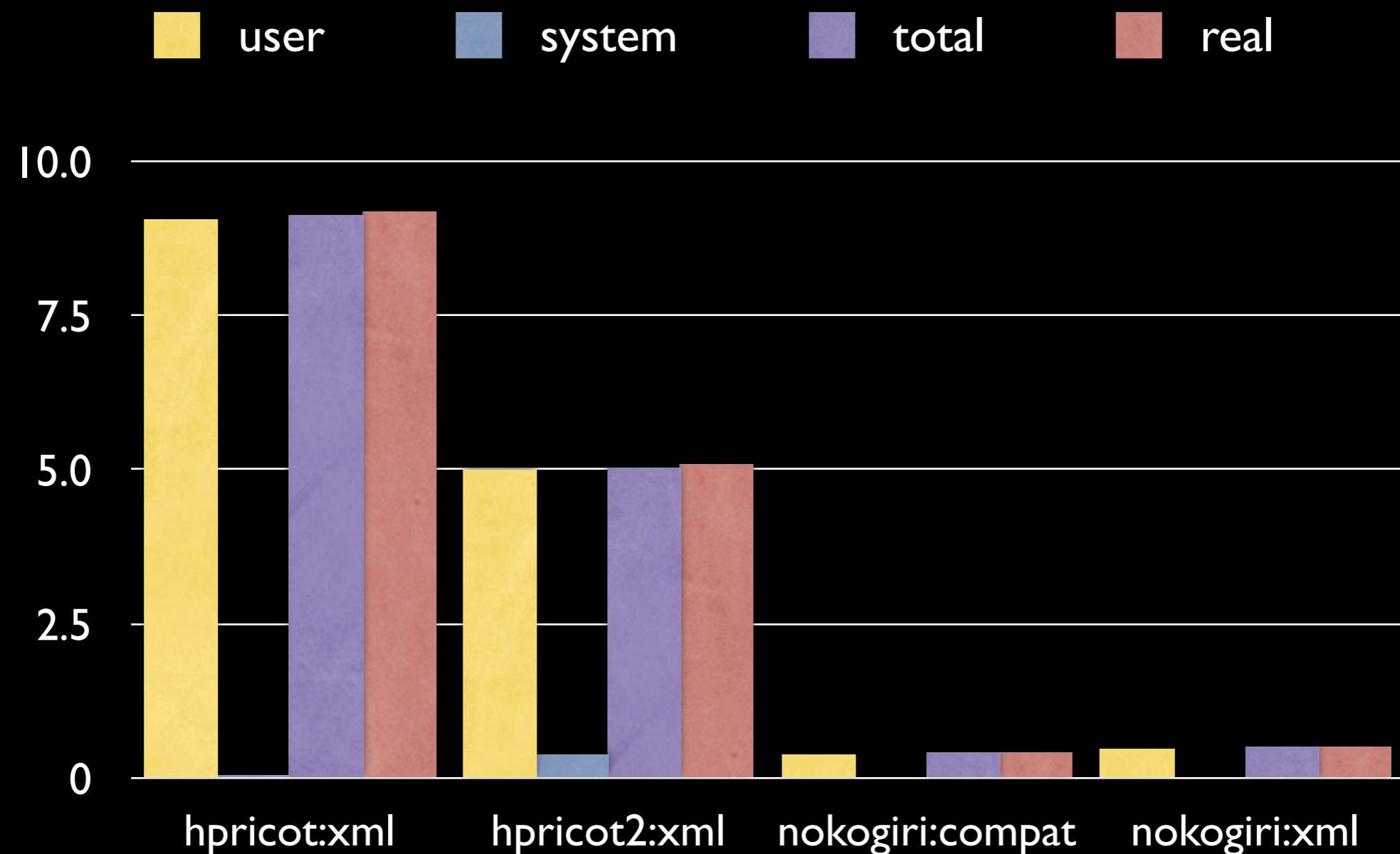
```
info = hdoc_xml.search(xpath1).first.inner_text  
info = hdoc_xml2.search(xpath1).first.inner_text  
info = ndoc_compat.search(xpath1).first.inner_text  
info = ndoc_xml.search(xpath1).first.inner_text
```

XML Parsing



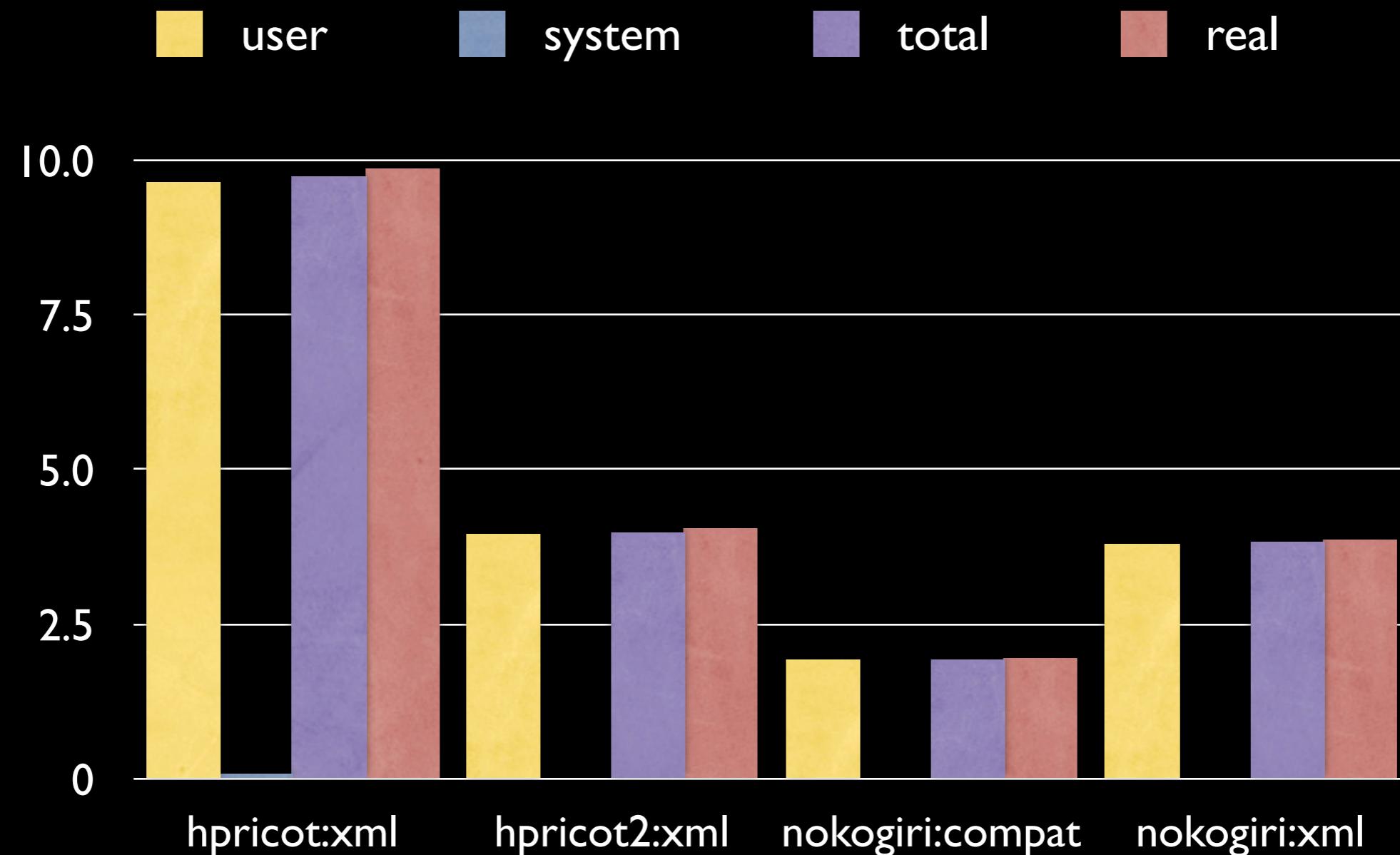
XML XPath

//status/text, //user/name



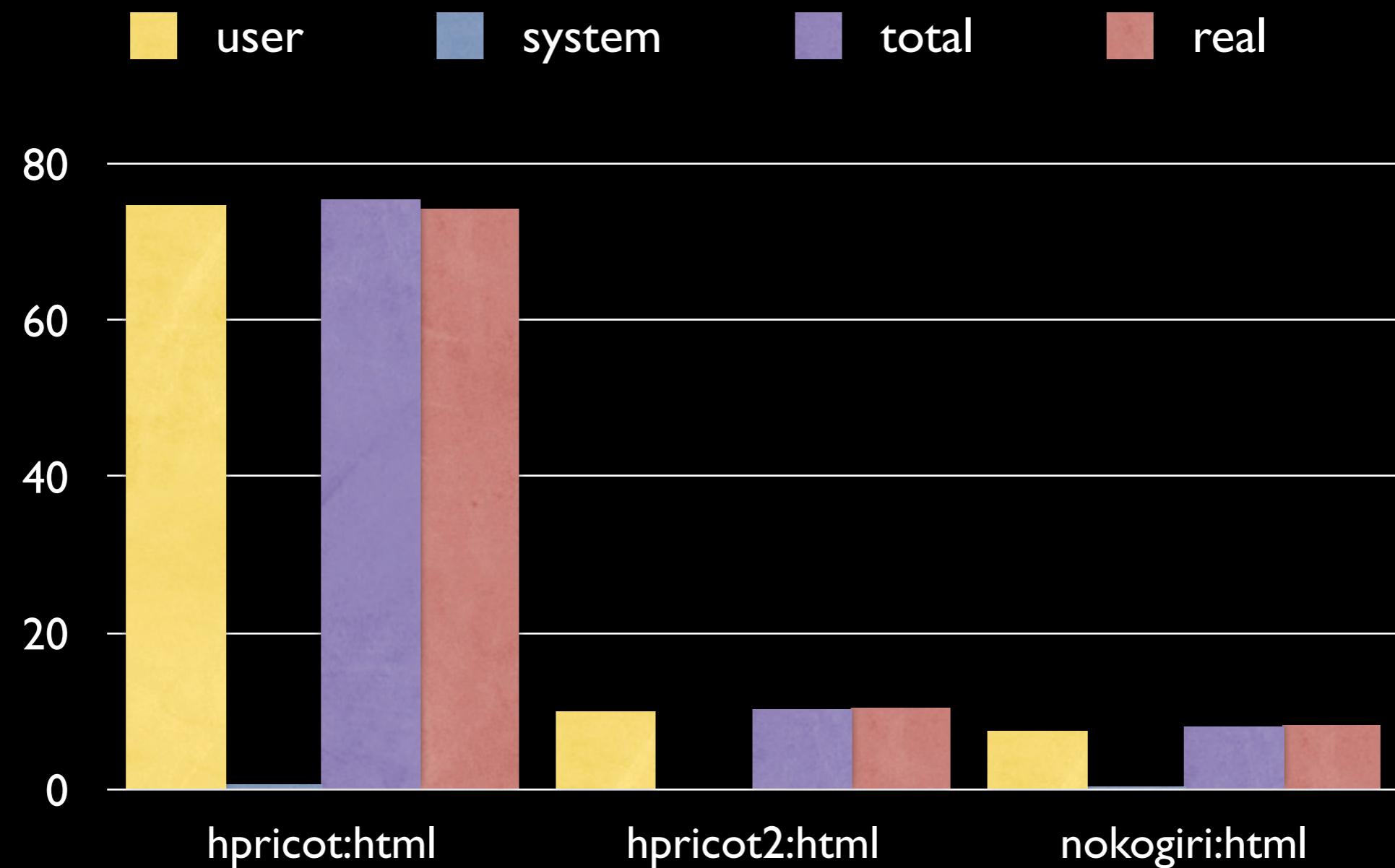
XML CSS

“status text”, “user name”



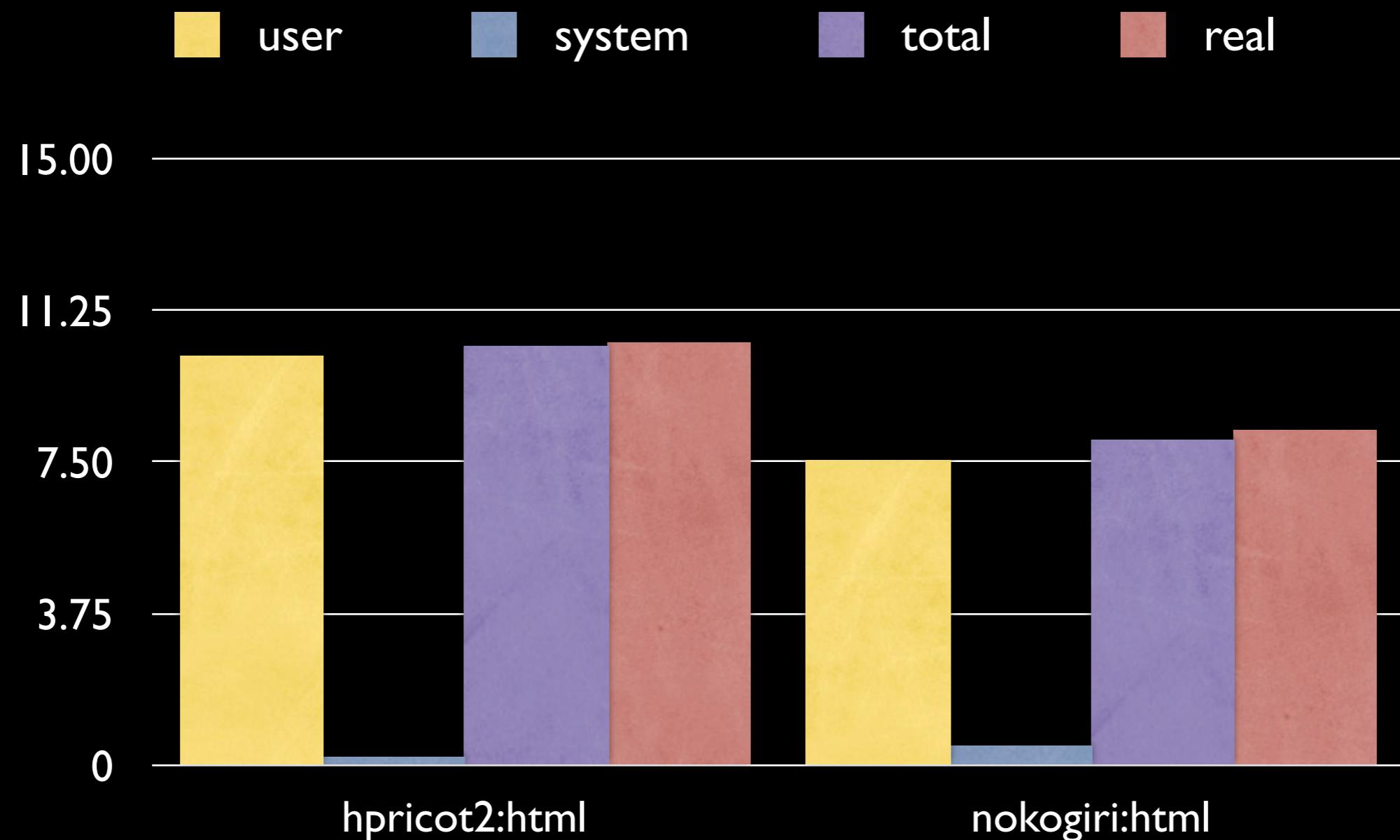
HTML Parsing

slashdot.org



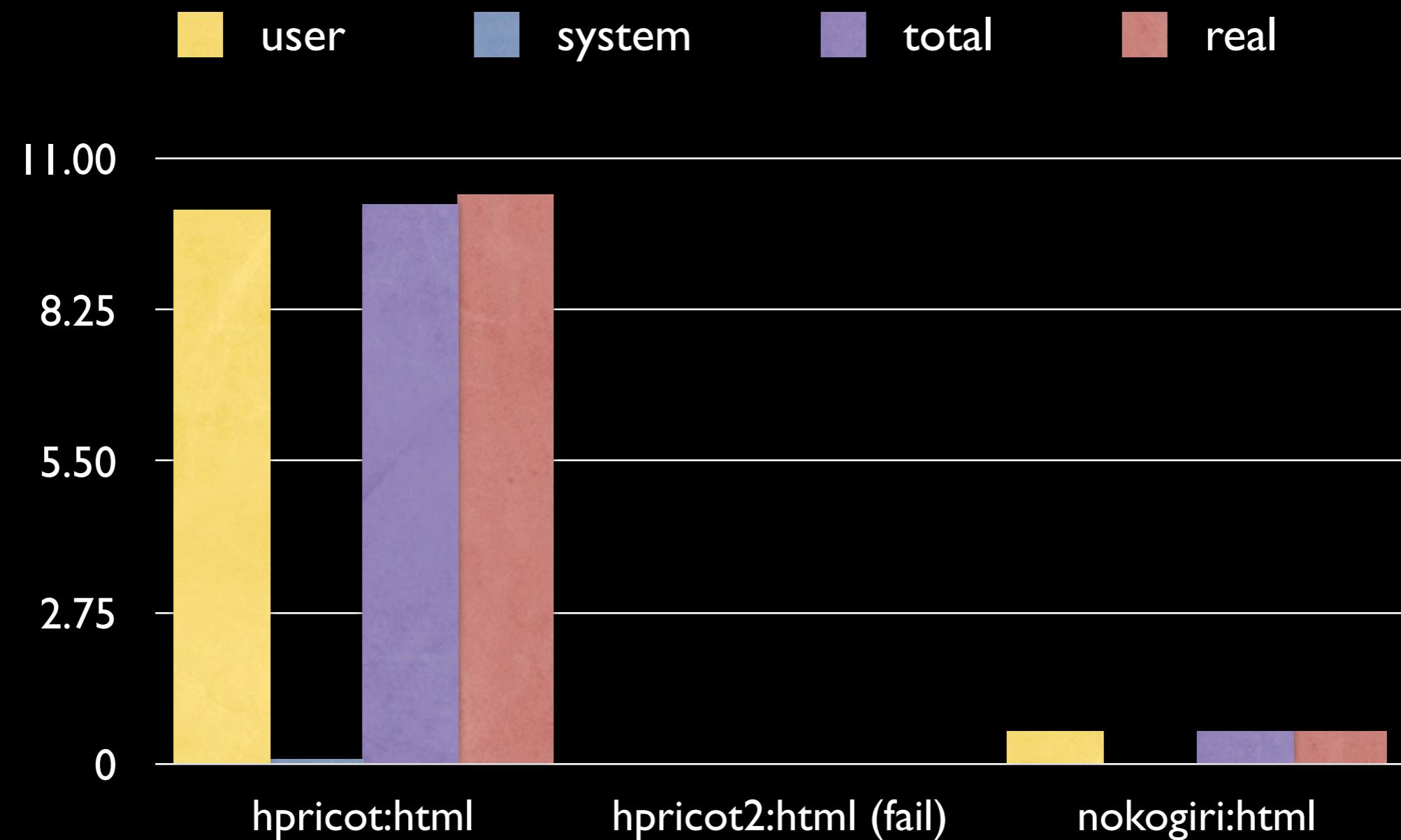
HTML Parsing

slashdot.org (again)



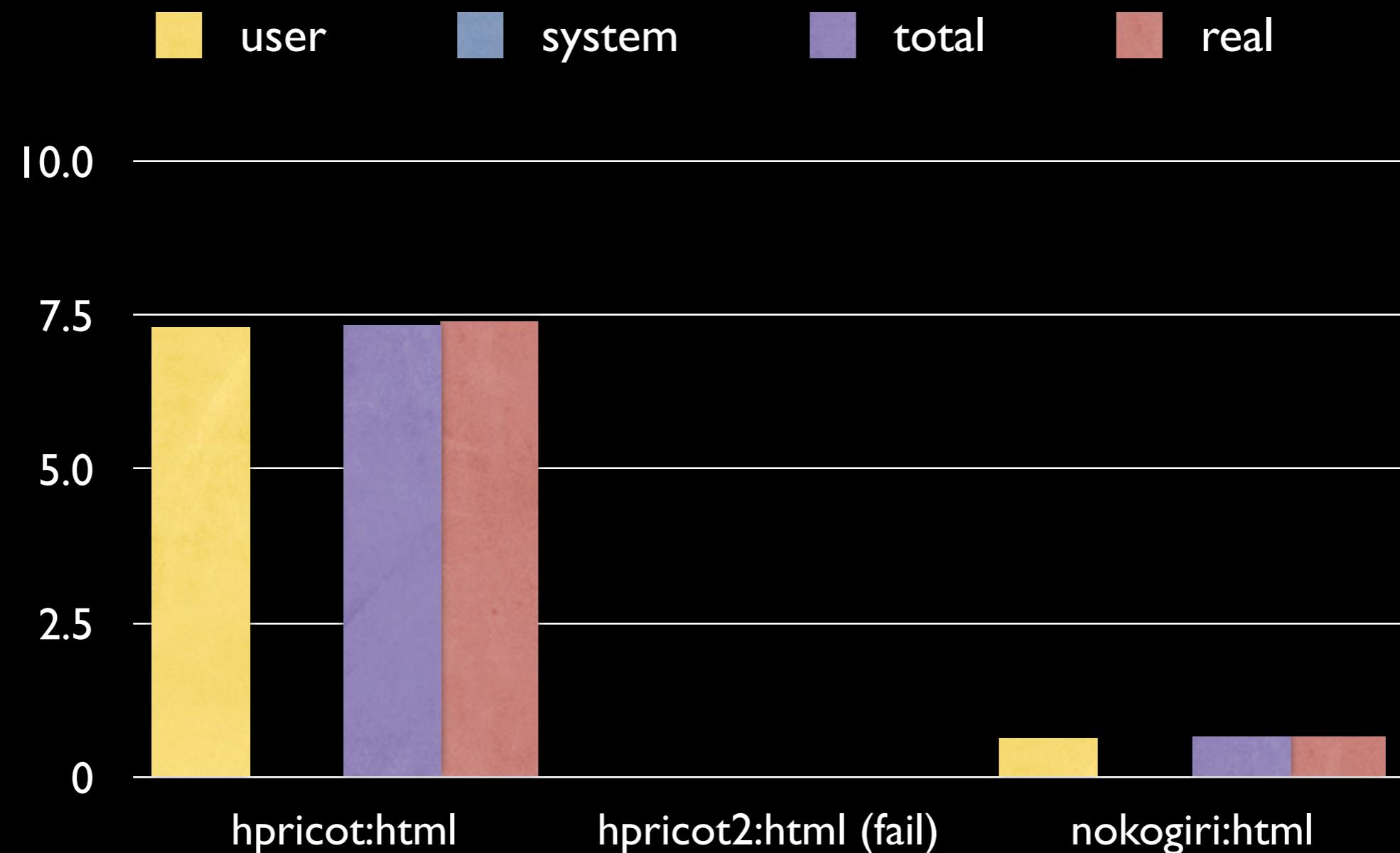
HTML XPath

//h1/a



HTML CSS

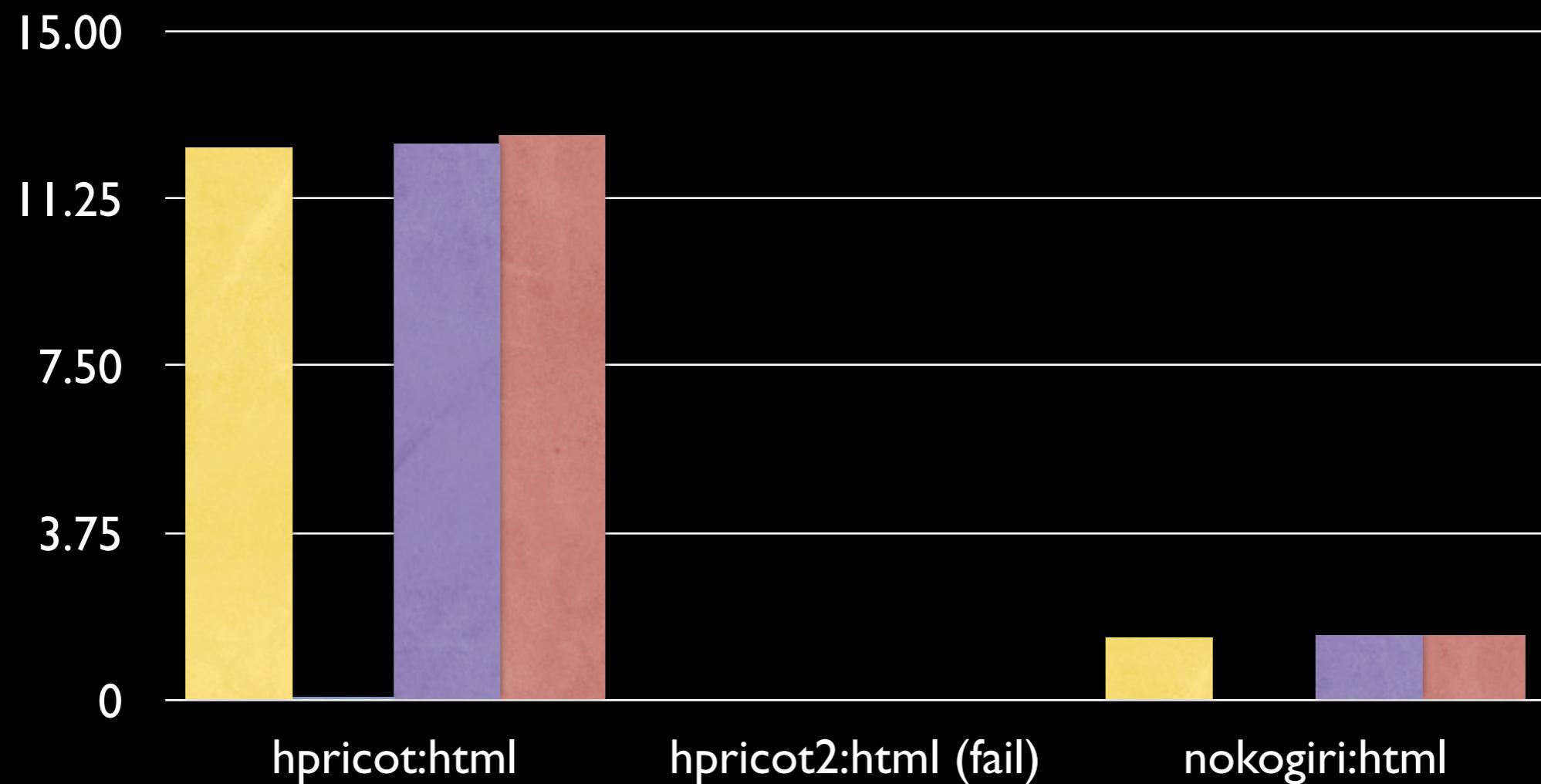
h1 > a



HTML Complex CSS

`div#logo > h1 > a`

 user  system  total  real



EVERY benchmark is
faster *

* using non-compat mode

<http://gist.github.com/22176>

Standard Compliance

ambiguity is evil

XPath

CSS Selectors

CSS Selectors

- W3C Tokenizer
- W3C Grammar

Specificity is your friend

```
<html>
  <style>
    p[a] {
      color: red;
    }
  </style>
  <body>
    <p a="true">I am red</p>
    <p><a>I am not red</a></p>
  </body>
</html>
```

```
hdoc = Hpricot.scan(html_content)
puts hdoc.search('p[a]').first.inner_text
```

```
hdoc = Hpricot.scan(html_content)
puts hdoc.search('p[a]').first.inner_text

# => I am not red
```

p[a]

Nokogiri

```
ndoc.xpath('//p[a]')  
ndoc.css('p[a]')
```

Don't Trust Me.

Trust the Spec.

Popular

Well Supported

I read your bugs

gem install nokogiri

History Of Seattle.rb

a dramatic reenactment (starring me)

The Year Was
Ruby 1.6.7



SEATTLE!



Eric Hodel



Pat Eyler



Ryan Davis

A Few Excerpts*

* may not actually be excerpts

A Story of Missed Connections

“Terribly Sorry”

Ryan Davis

“Aargh!!!”

Pat Eyler

A Connection, of Love

“I've written a web
page in Ruby in my
spare time”

Eric Hodel

“Cool... Welcome.”

Ryan Davis

“I Love You”

Eric Hodel

“What?”

Ryan Davis

“Nothing”

Eric Hodel



The First Meeting

Another Dramatic Reenactment (starring me)

Introductions



Hi! I'm Eric



Hi Eric, I'm Ryan!



Hi Ryan!



Hi Ryan, I'm Pat!



Hi Pat! I'm Ryan!



Hi Eric, I'm Pat!



Hi Pat! I'm Eric!

Common Ground

A black and white photograph of a man with glasses and a purple t-shirt, sitting at a desk and looking thoughtful with his hand on his chin. A speech bubble in the upper left corner contains the text "I Like Ruby".

I Like Ruby

A photograph of a young man with light brown hair, wearing a yellow short-sleeved shirt with thin red and blue horizontal stripes. He has a dark, bushy fake beard and mustache applied to his face. He is looking directly at the camera with a neutral expression. His right hand is raised, pointing his index finger towards his chin area where the fake facial hair is attached. The background is dark, suggesting an indoor or nighttime setting with some blurred lights visible.

Me Too!



Me Too!



Really? You too?



Ya! Me Too!

A photograph of a man with dark hair and a yellow striped polo shirt. He has a large, dark, fake mustache attached to his chin. He is pointing his right index finger towards the camera. A white speech bubble originates from his mouth, containing the text "ORLY? You too?". The background is dark, suggesting an indoor or nighttime setting.

ORLY? You too?

JICKS
SCENE CREAMERS

YA RLY! Me
Too!



A photograph of a young man with dark hair, a full dark beard, and a mustache. He is wearing a yellow short-sleeved shirt with thin red and blue horizontal stripes. He is looking directly at the camera with a neutral expression. His right hand is raised, pointing his index finger towards his chest. In the upper right corner of the image, there is a white, rounded rectangular speech bubble containing the text "We have so much in common!" in a bold, black, sans-serif font.

We have so
much in common!



LOL!

The First Codes



I'm writing
some codes.



Codes?
Interesting.



I've written
codes before.

A photograph of a man with dark hair and glasses, wearing a grey t-shirt. He is pointing his right index finger towards a white laptop screen. A white speech bubble originates from his mouth and contains the text "Check out these codes!".

**Check out
these codes!**



Those are nice
codes.



I like your
codes too!

A photograph of a man with dark hair and glasses, wearing a grey t-shirt. He is pointing his right index finger towards the camera. A white speech bubble originates from his mouth and contains the text "Thanks guys!".

Thanks guys!



I love you.

What?



Nothing!
Nothing..
(my charming prince)



Year: Ruby 1.8.2

Seattle.rb First Gem



Can Has Gem?

ruby-growl

A photograph of a man from the chest up. He has dark hair, wears glasses, and has a slight beard. He is wearing a purple t-shirt and has his arms crossed. A white speech bubble is positioned to the left of his head, containing the text "Yes. I has gem.".

Yes. I has gem.

Year: Ruby 1.8.3

16 Gems Released

Parse Tree

RubyInline

A Few Stats

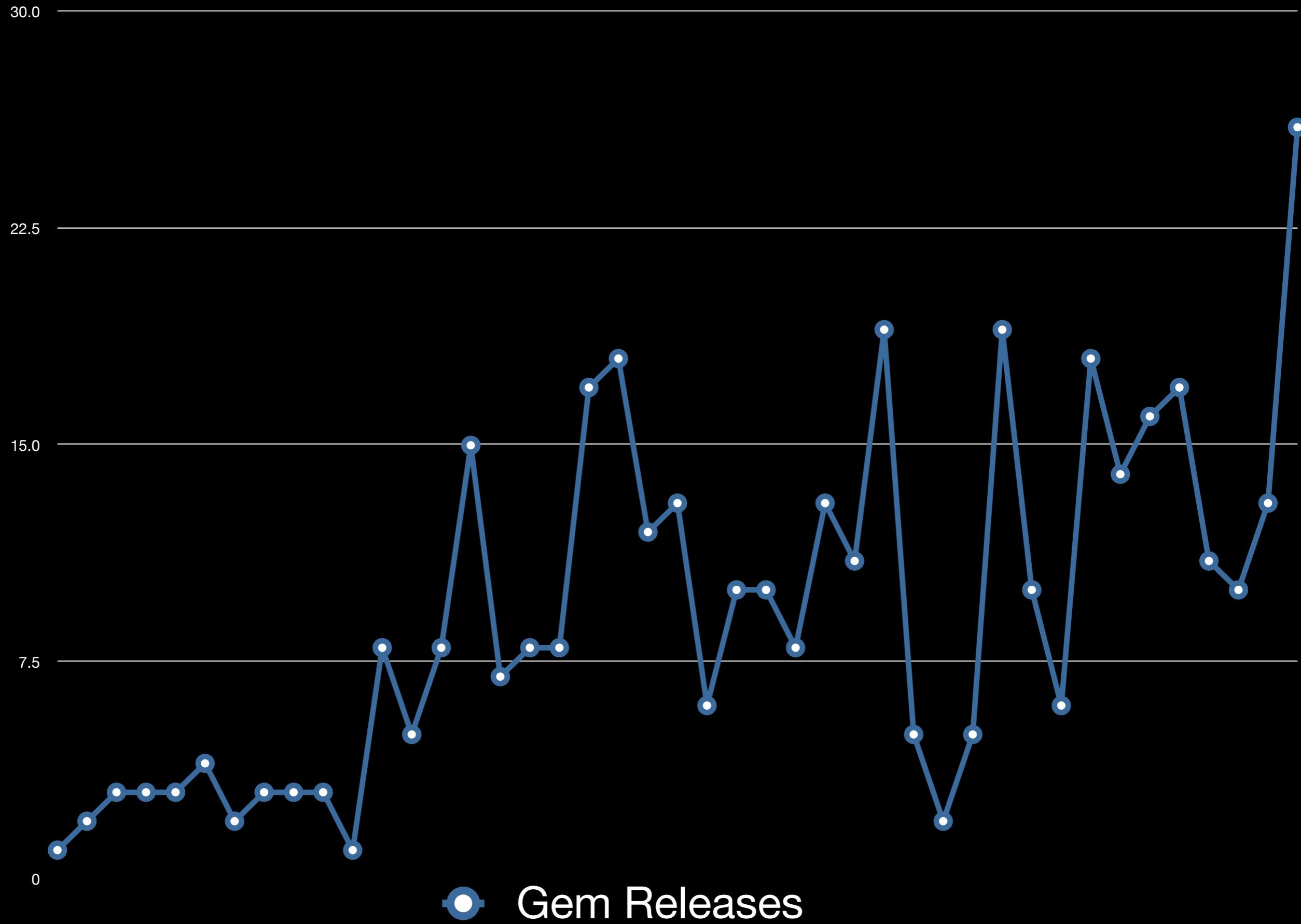
90 Unique Gems

Before Nov 1

399 Total Gem Releases

Before Nov 1

Seattle.RB Gem Releases Per Month



<http://gist.github.com/22263>

First Ruby Brigade.
Ever.

One More Thing

Year: Ruby 1.8.5

79 Gems Released

The Angering



Tuesday, 6:55pm

I arrive. 7pm



Tuesday 7:05pm

Thanks

- <http://tenderlovemaking.com/>
- <http://github.com/tenderlove/>
- <http://octopod.es/tenderlove>