

Perl 6 ♥ the Web

YAPC::EU 2009-08-05

OH HAI



masak

I like Perl 6

Perl 6 application developer

Rakudo has made me more productive...

...at submitting bugs.

In fact,

it's not OCD (?)

I like to destroy things

I like to see things break

Job title: destroyer

Job title: stress tester

Job title: general complainer

Show of hands

How many have...

...heard about Perl 6?

...seen a feature in Perl 6 that you liked?

...seen a feature in Perl 6 that you disliked?

...written a script in Rakudo?

...reported a bug for Rakudo?

At NPW, I said Perl 6 is growing

I was right

We need to do something!

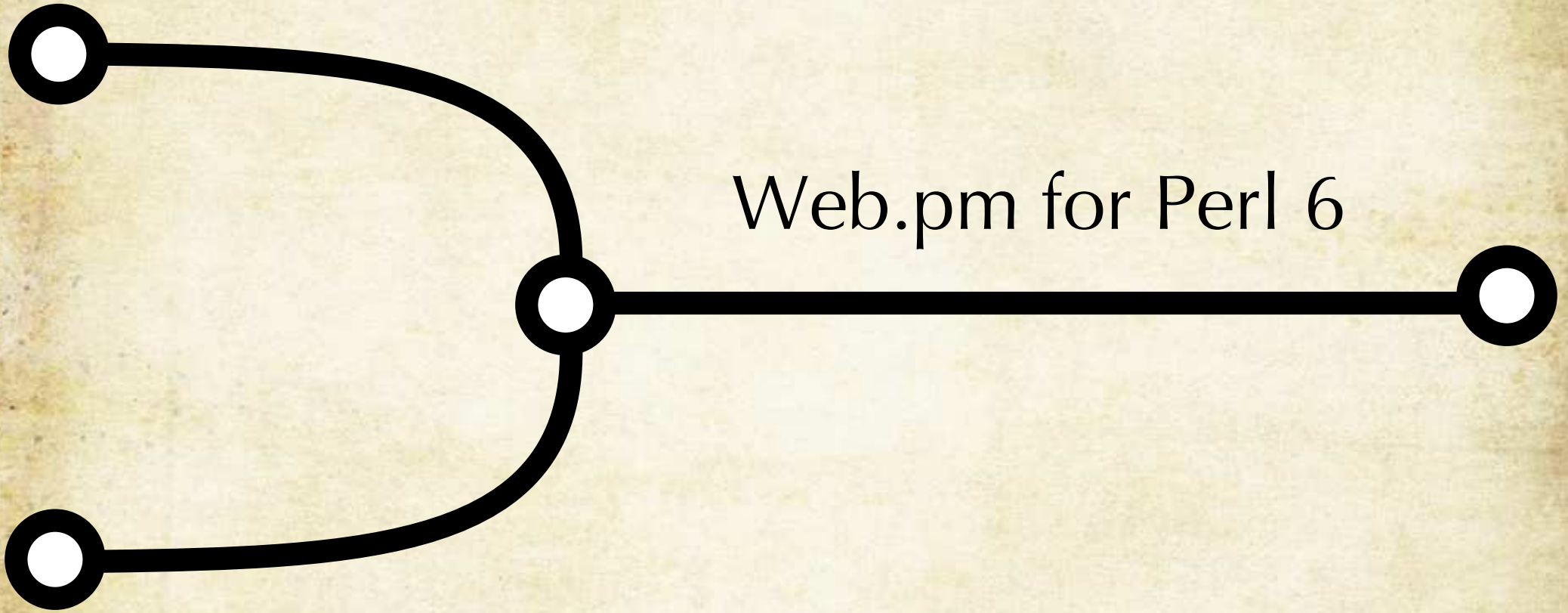
April

April!?

The Web

Web.pm for Perl 6

Perl 6





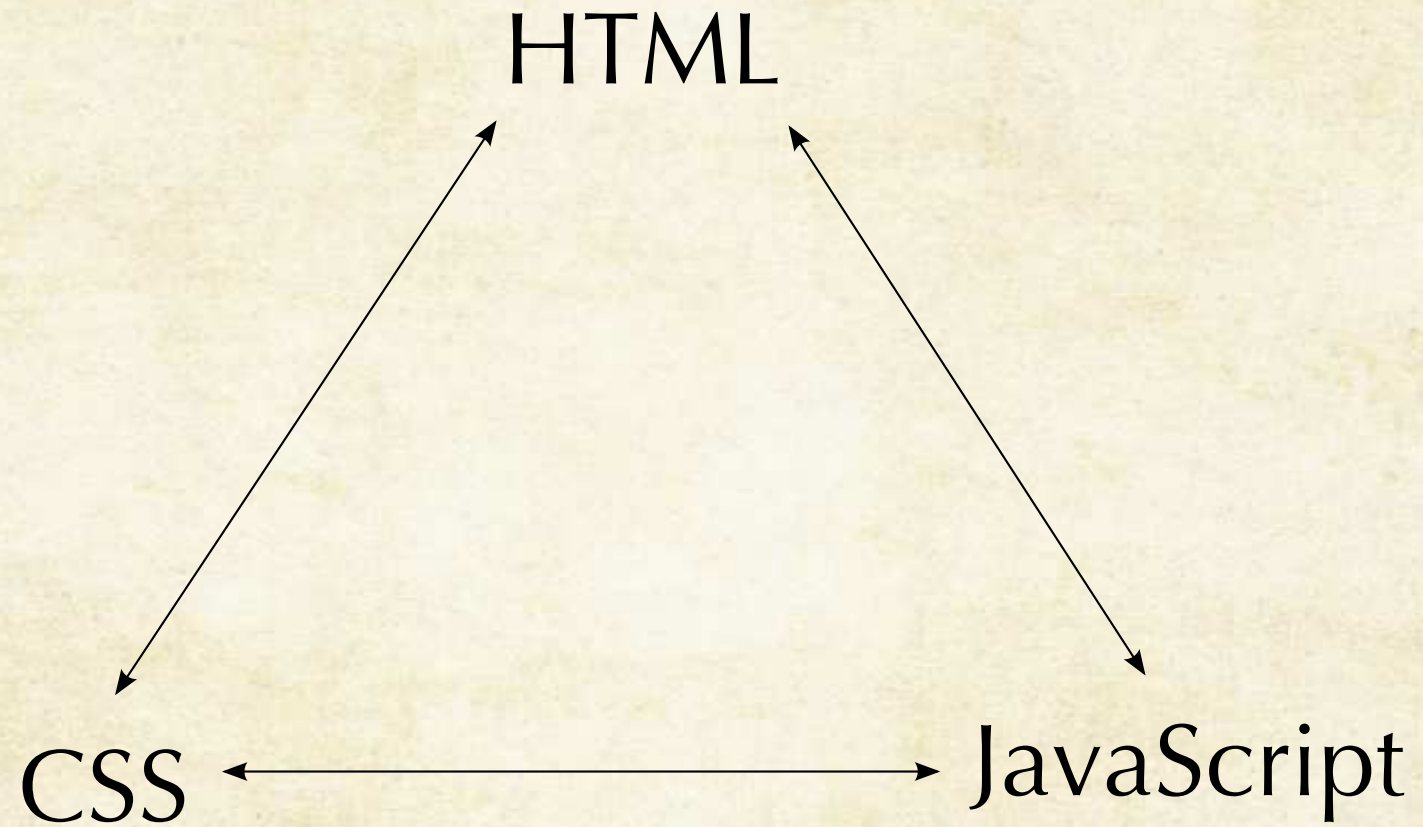
The Web

TimBL 1989

CGI.pm

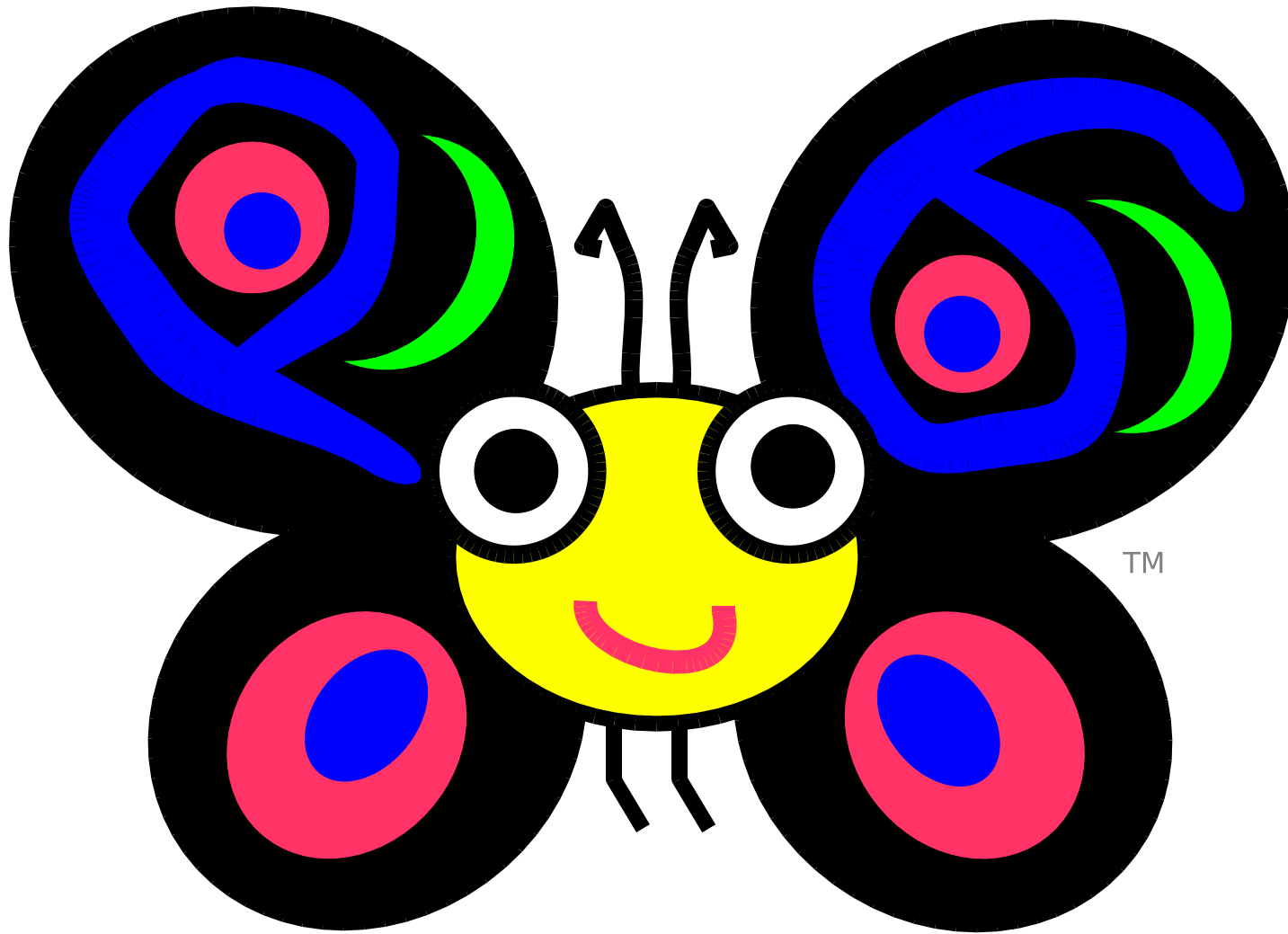






This is the 21st century!

Short story: we need something new!



Perl 6

condensing good things

from other languages

better defaults

routine parameters

class/method keywords

multisubs

all about pushing knowledge down

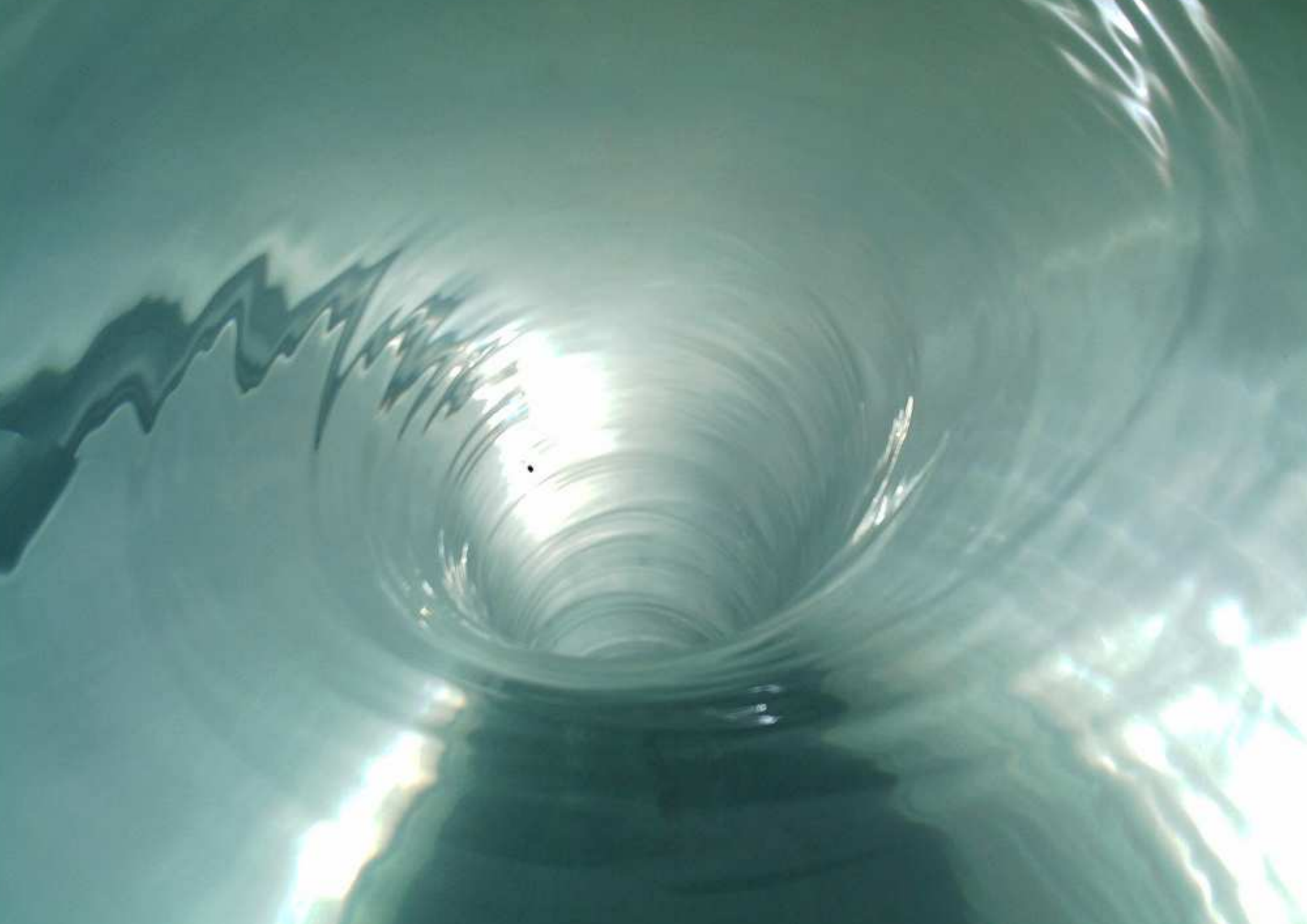
sneakingly encouraging you

to do things right

"strangely consistent"

iterative design







Web.pm



masak



Tene



ihrd



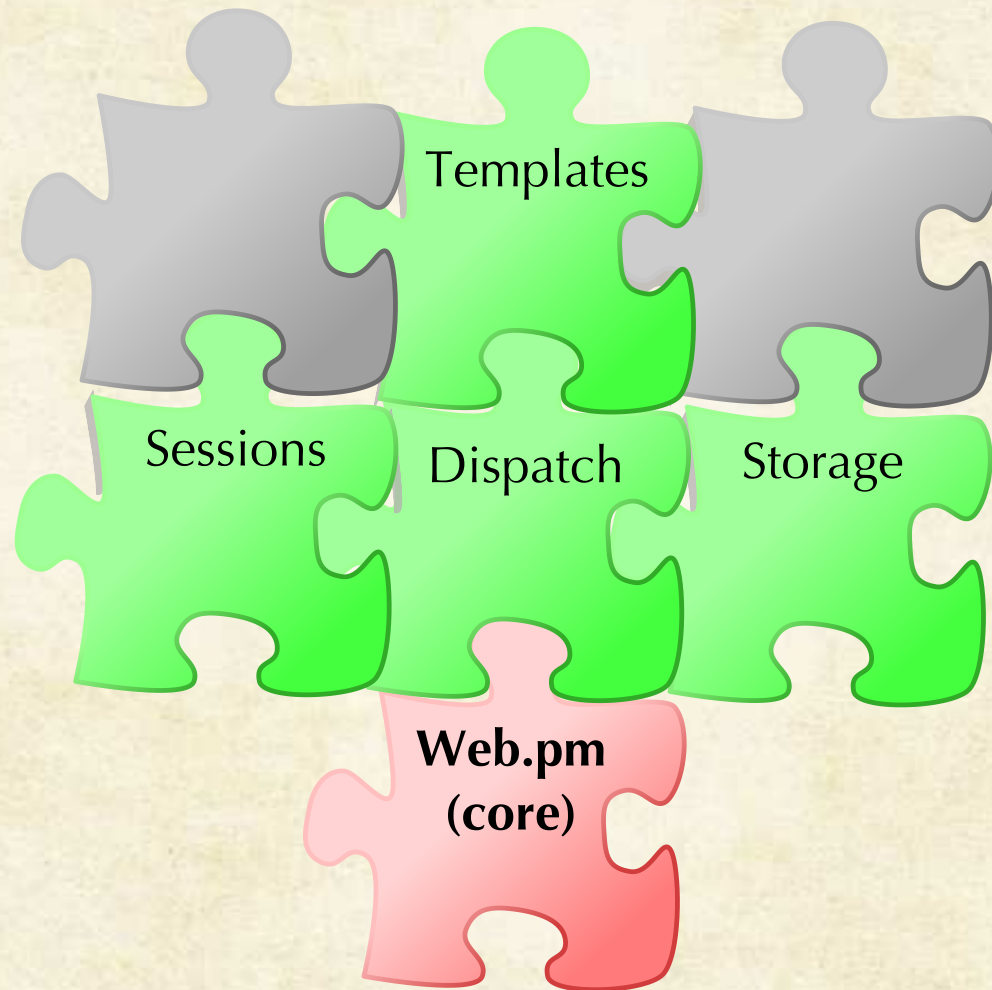
arthur-

What's the goal?

Simplicity

```
use v6;  
use Astaire;
```

```
get '/hi' => {  
    "OH HAI"  
}
```

Web.pm subprojects

Request/Response

Web.pm (core)

Dispatching

LolDispatch, Faz, Astaire

Templating

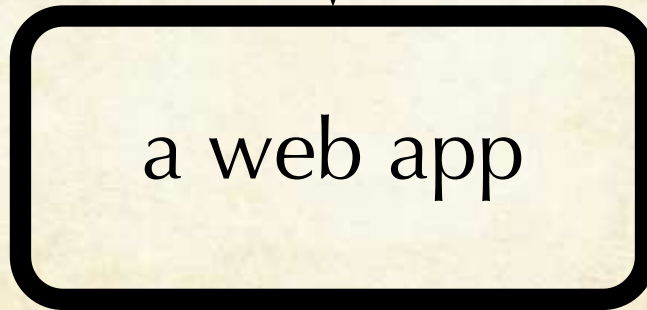
?, Hitomi, Tags

MVC

?

Core API

%env



[\$response, %header, @body]

```
class HelloWorld {  
  method &.( $env ) {  
    [200,  
     {"Content-Type" => "text/plain"},  
     ["Hello world!"]  
    ]  
  }  
}
```

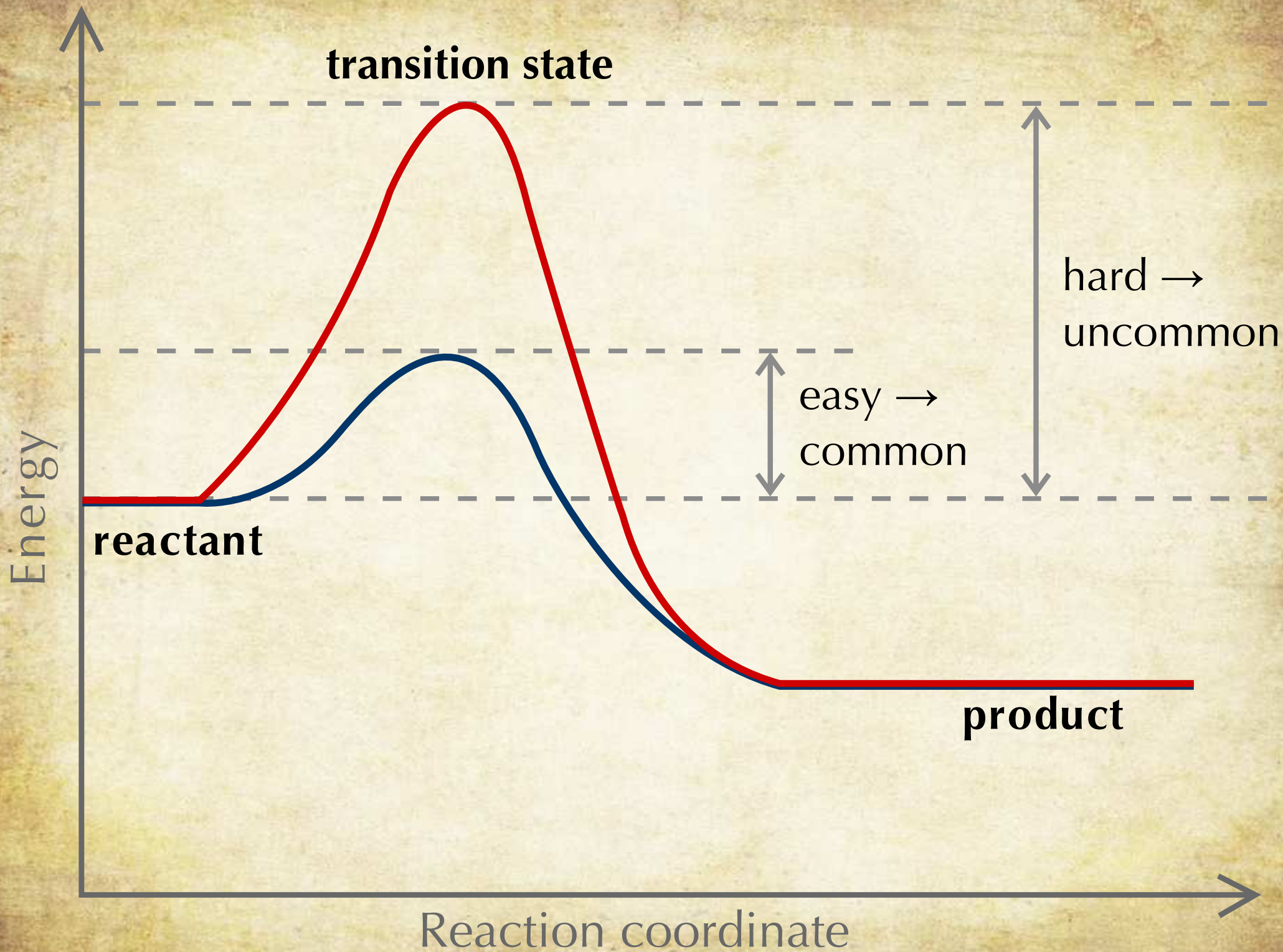

Web::Request, Web::Response

Web::Handler

Web::Lint

Web::MockRequest

Defaults vs Configuration

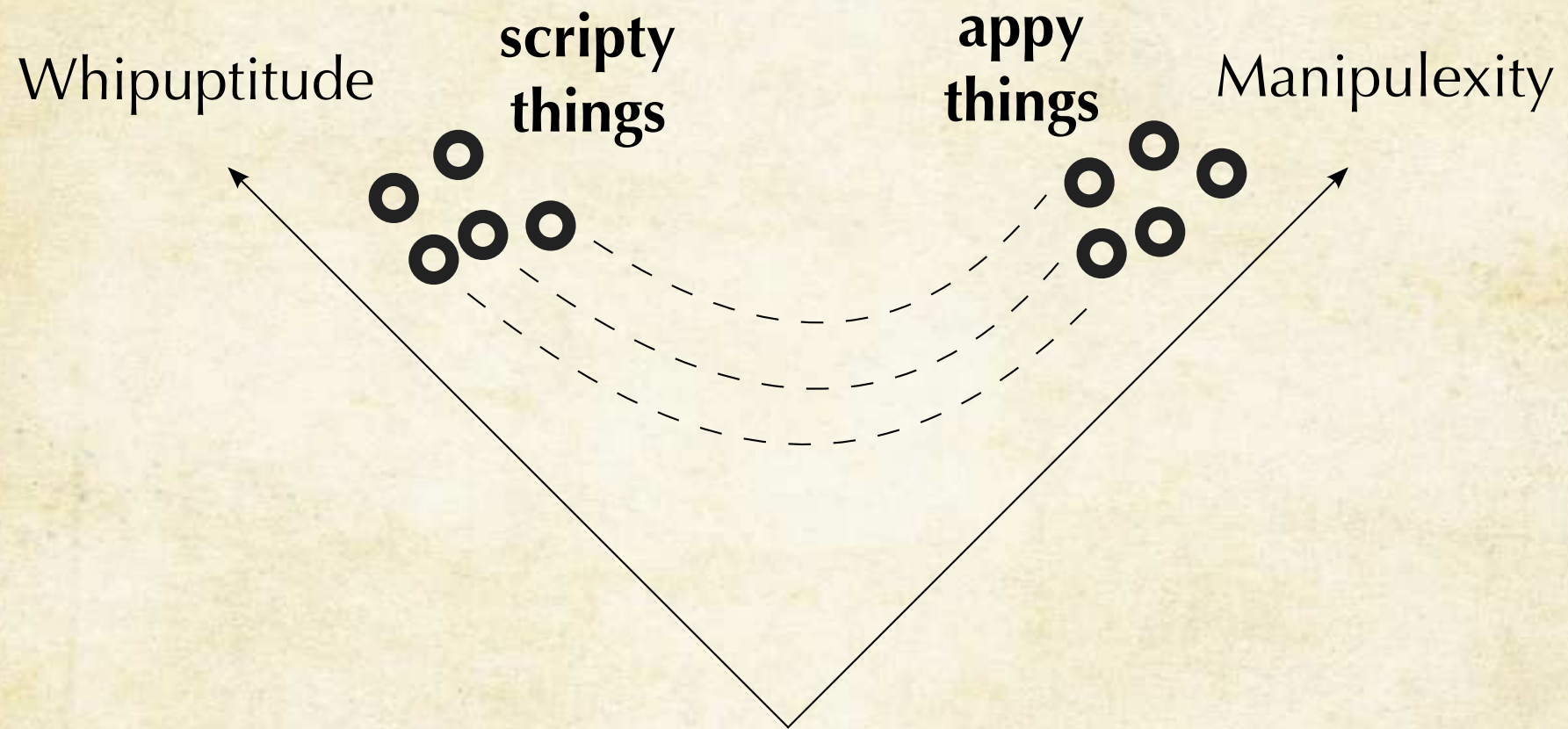


Civilization advances by extending
the number of important operations
which we can perform
without thinking about them.

Alfred North Whitehead

OTOH: over time, you want to fiddle

80-20 rule




```
<html xmlns="http://www.w3.org/1999/xhtml"
      xmlns:pl="http://github.com/masak/hitomi/" />
<head>
  <title>Welcome</title>
</head>
<body>
  <h2>List of movies</h2>
  <ul pl:if="@movies">
    <li pl:for="@movies -> $movie">
      <a href="{path-to.movie($movie.id)}">{$movie.title}</a>
    </li>
  </ul>
</body>
</html>
```

Perl 6

Web.pm

Rewrite

Rewrite

Steals ideas

Steals ideas

Coercion

Coercion

Encodings

Encodings

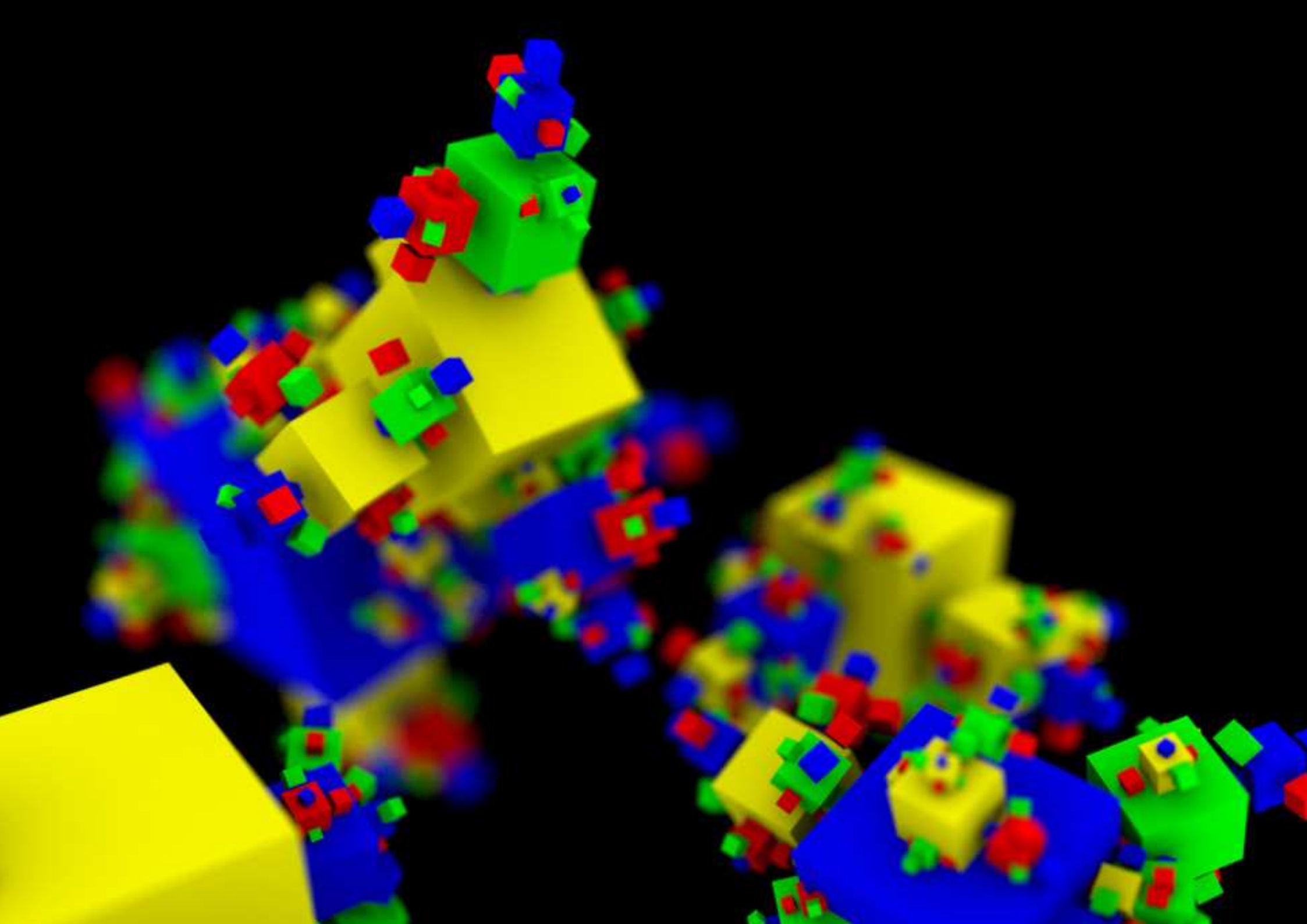
Spec

Spec

Usable now

Usable now

Self-similarity







FRACTAL WRONGNESS

You are not just wrong. You are wrong at every conceivable scale of resolution. Zooming in on any part of your worldview finds beliefs exactly as wrong as your entire worldview.

Rest of the team



Tene



ihrd



arthur_

Thanks! You rock!

Attribution

Watercolor 12

<http://www.flickr.com/photos/dancingshiba/3583523428/>

Dew Drop Spider Web

<http://www.flickr.com/photos/jeffsmallwood/233853485/>

First flight

http://en.wikipedia.org/wiki/File:First_flight2.jpg

Bad landing

<http://www.flickr.com/photos/29007475@N08/3618600334/>

Camelia, the Perl 6 logo

<http://svn.pugscode.org/pugs/misc/camelia.jpg>

Triberg Waterfalls (close-up)

http://www.flickr.com/photos/_at/485400809/

Whirlpool

<http://www.flickr.com/photos/33909700@N02/3159698458/>

The Web that is Us

<http://www.flickr.com/photos/ecstaticist/1340787730/>

Puzzle

<http://commons.wikimedia.org/wiki/File:Puzzle.svg>

Activation energy

http://en.wikipedia.org/wiki/File:Activation2_updated.svg

Colorful Boxes

<http://www.flickr.com/photos/groovelock/3180861069>

Natural fractal

<http://www.flickr.com/photos/28481088@N00/3181255999/>

Fractal wrongness

<http://www.flickr.com/photos/themadlolscientist/2421967468/>

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Thank you

Questions?