

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?

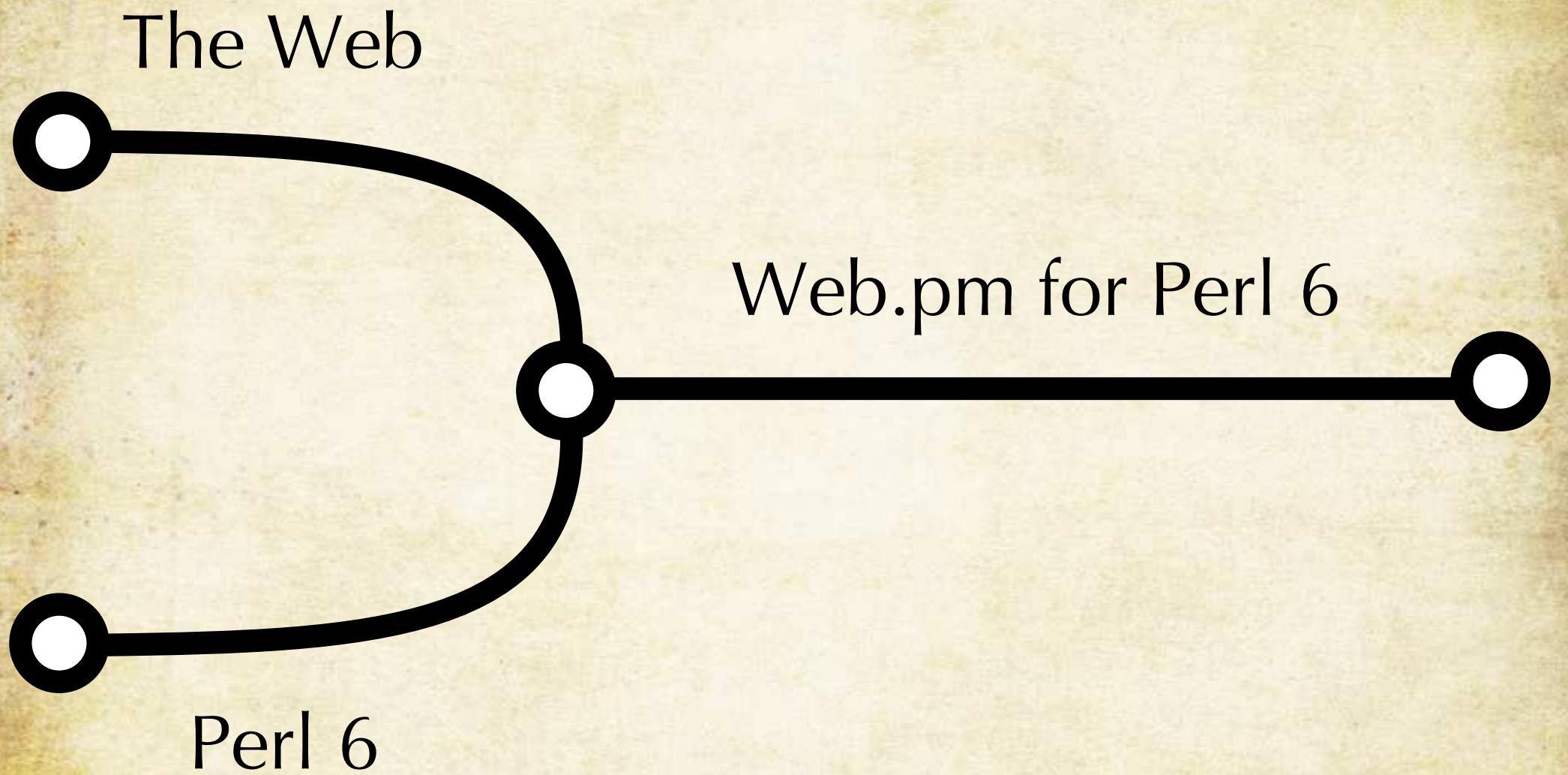
At NPW, I said Perl 6 is growing

I was right

We need to do something!

April

April!?



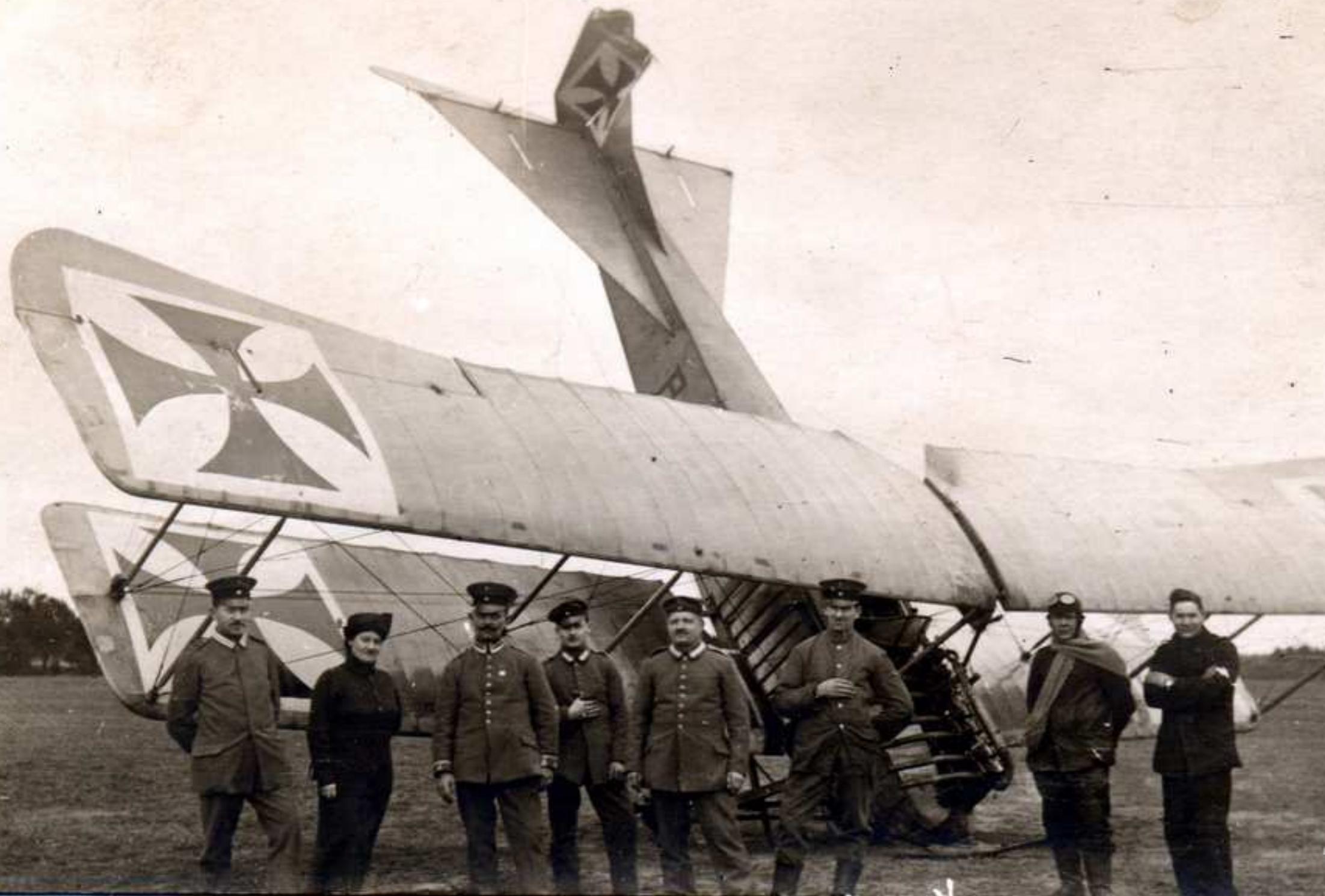
A close-up photograph of a spider web against a dark background. The web is composed of thin, shiny strands that intersect to form a complex geometric pattern. Several small, clear water droplets are visible on the strands, catching and reflecting light in a way that creates a rainbow-like iridescence. The overall effect is one of delicate beauty and intricate complexity.

The Web

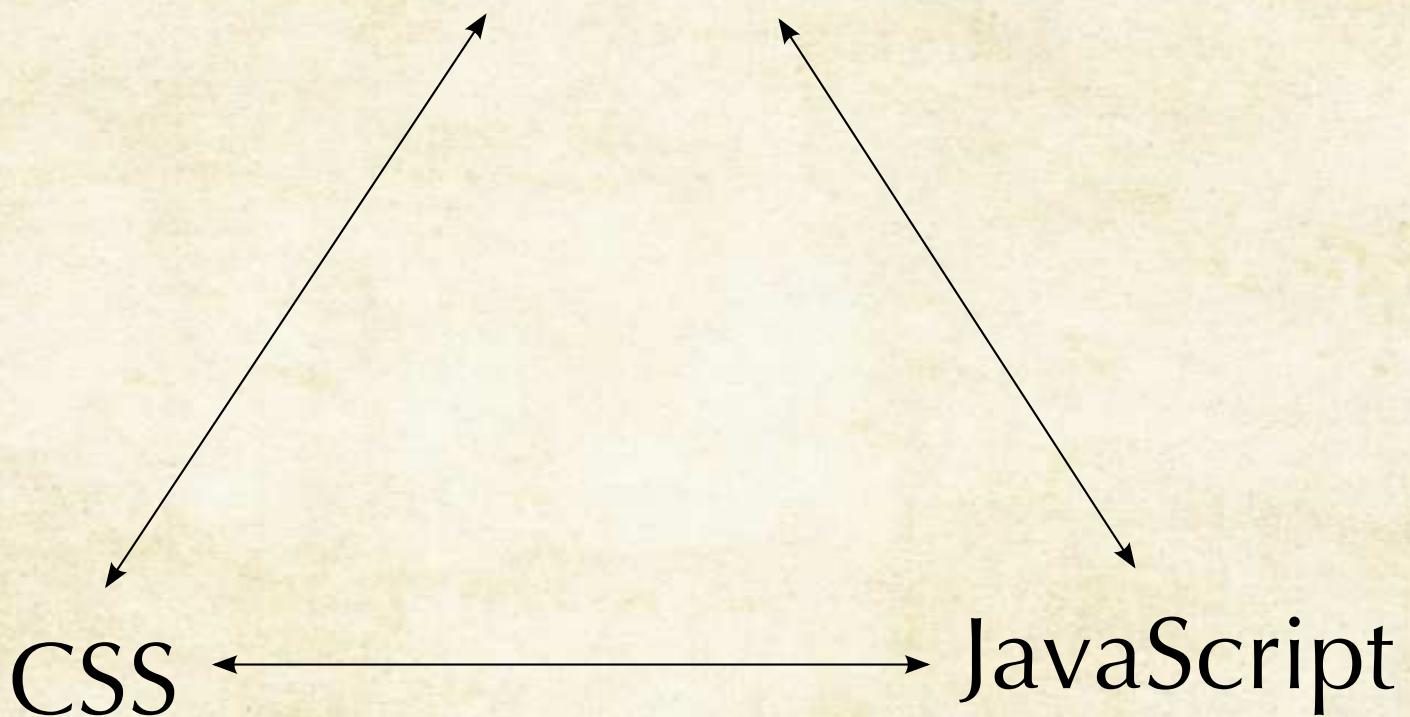
TimBL 1989

CGI.pm



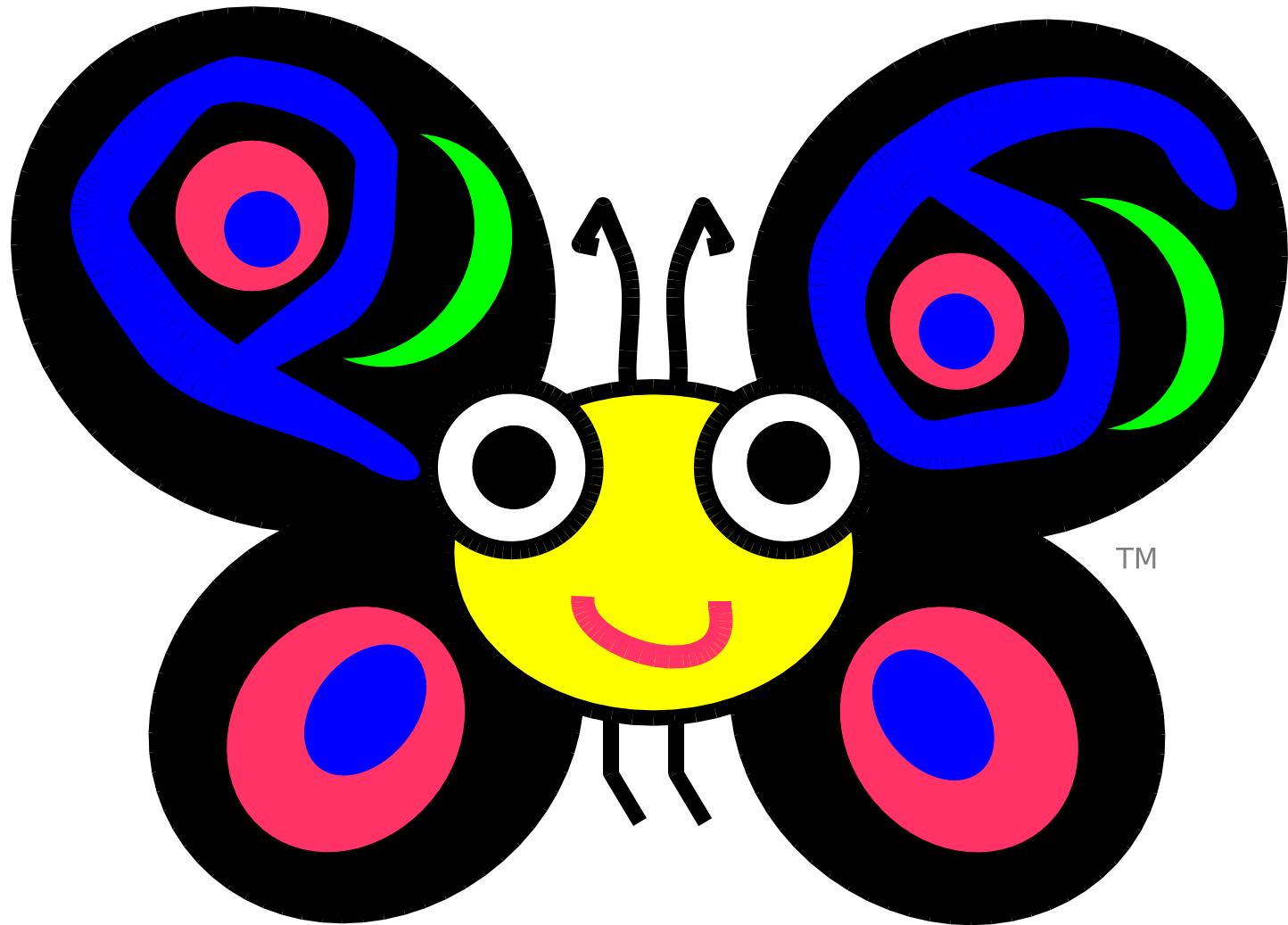


HTML



This is the 21st century!

Short story: we need something new!



TM

Perl 6

condensing good things

from other languages

better defaults

routine parameters

class/method keywords

multisubs

all about pushing knowledge down

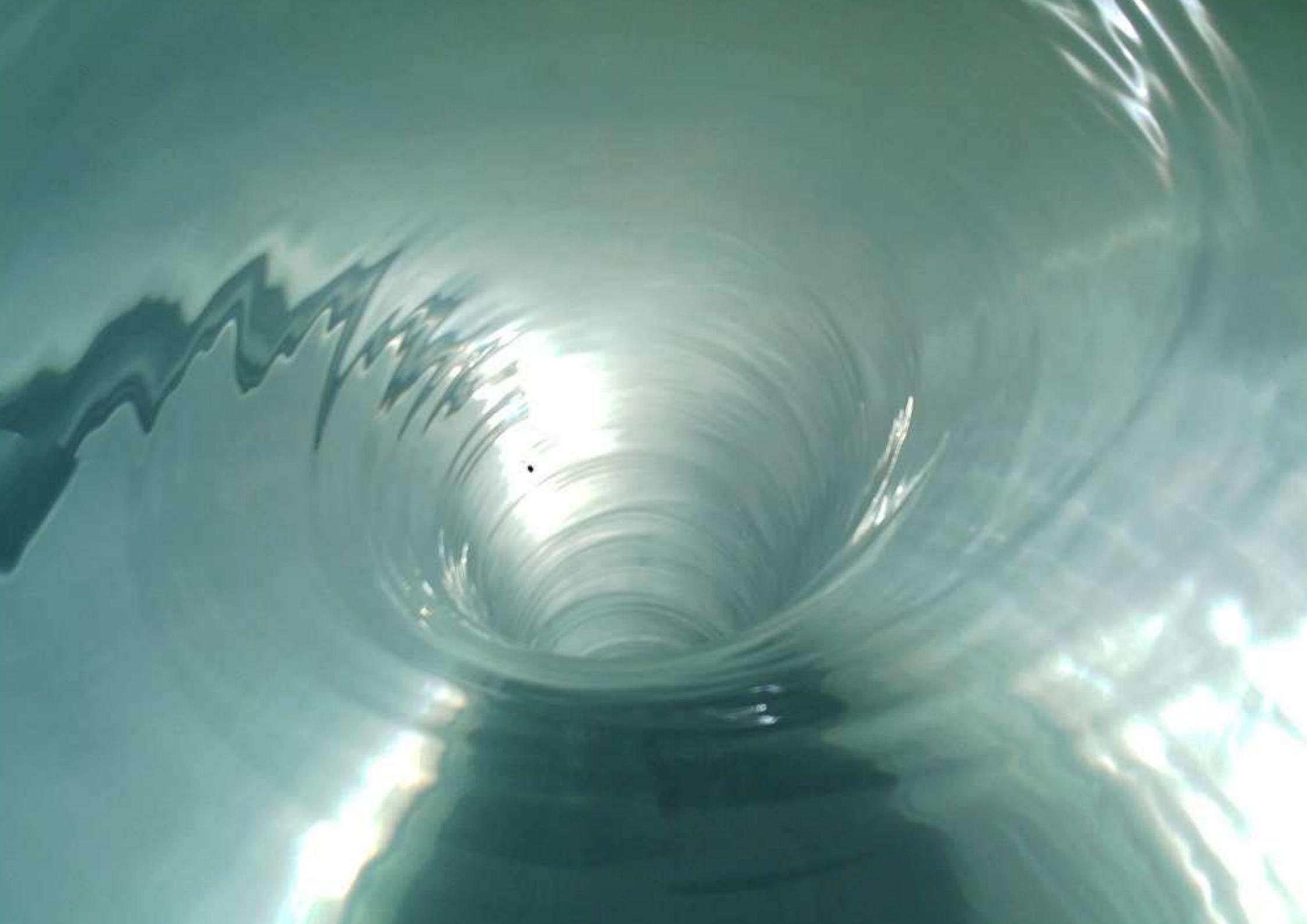
sneakingly encouraging you

to do things right

"strangely consistent"

iterative design







Web.pm



masak



Tene



ihrd



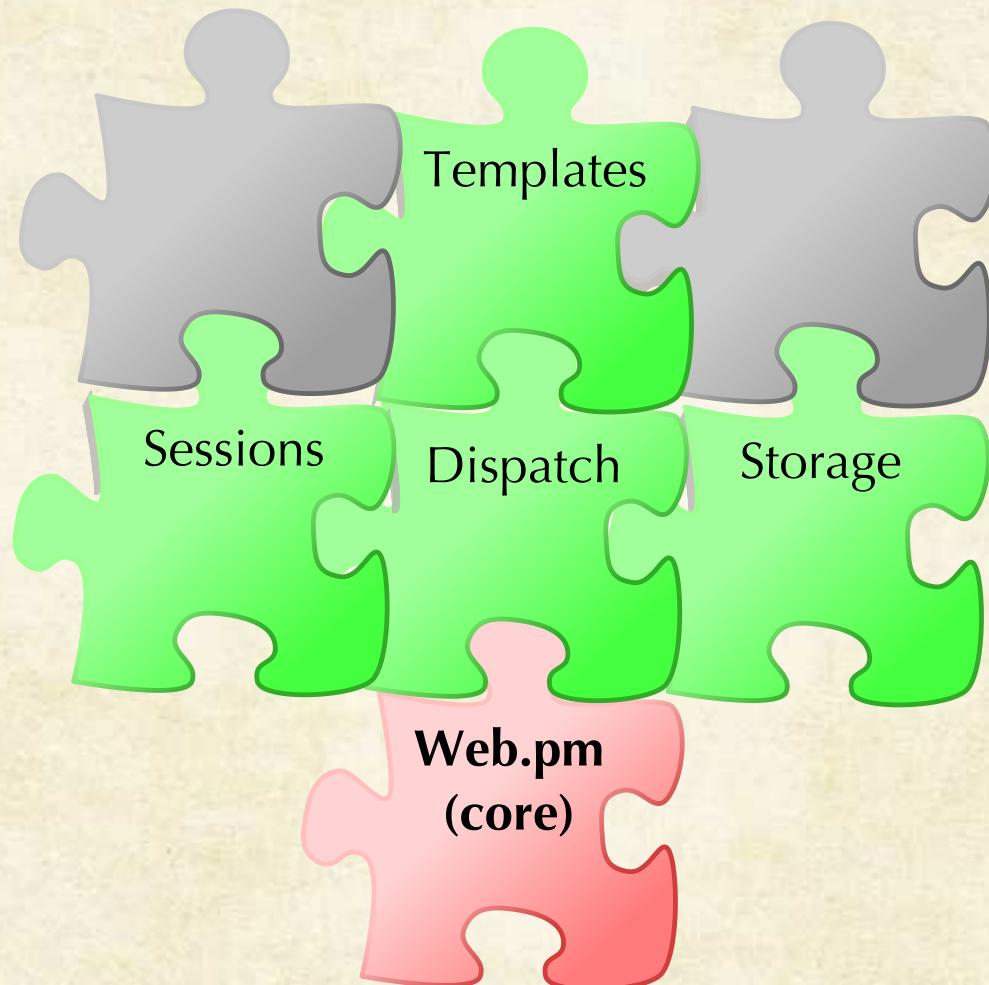
arthur_-

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

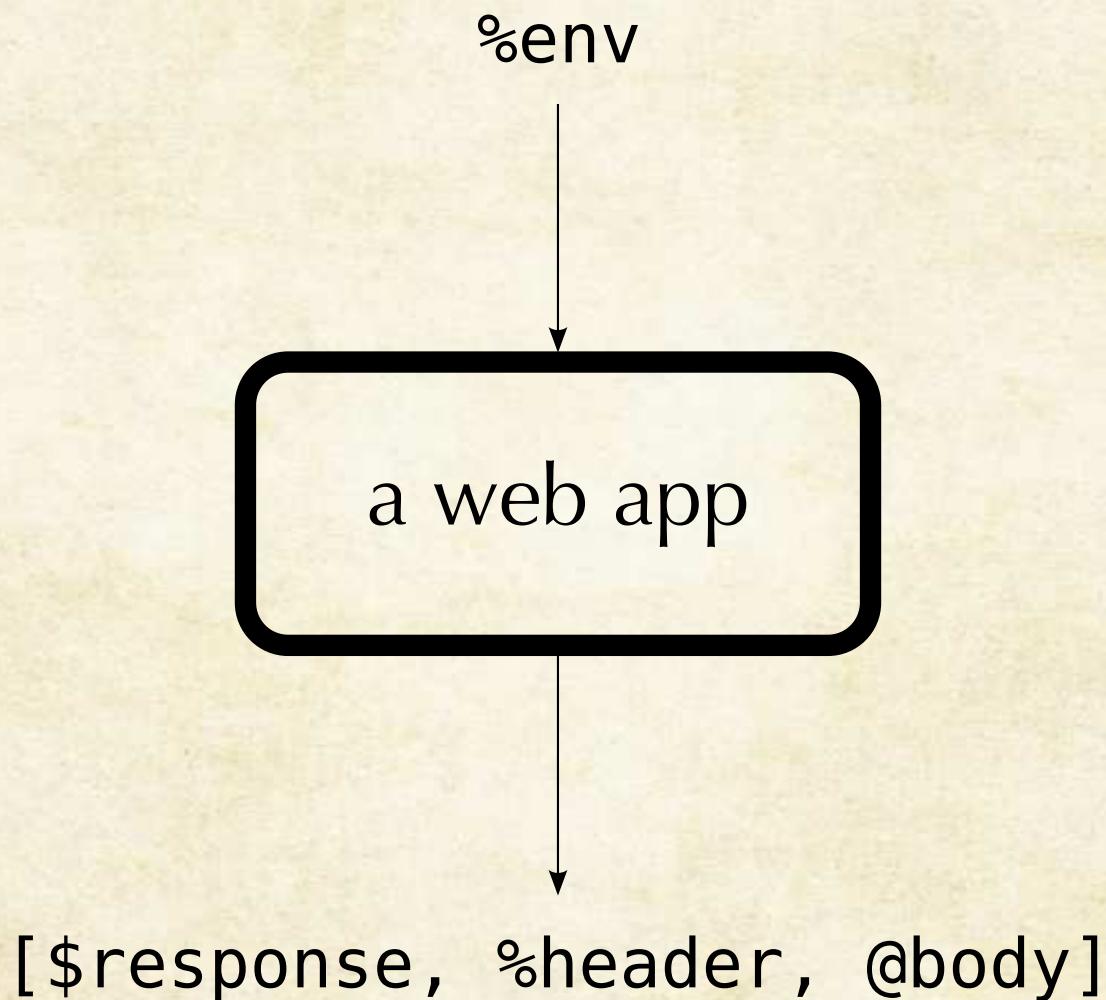
Templating

?, Hitomi, Tags

MVC

?

Core API



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

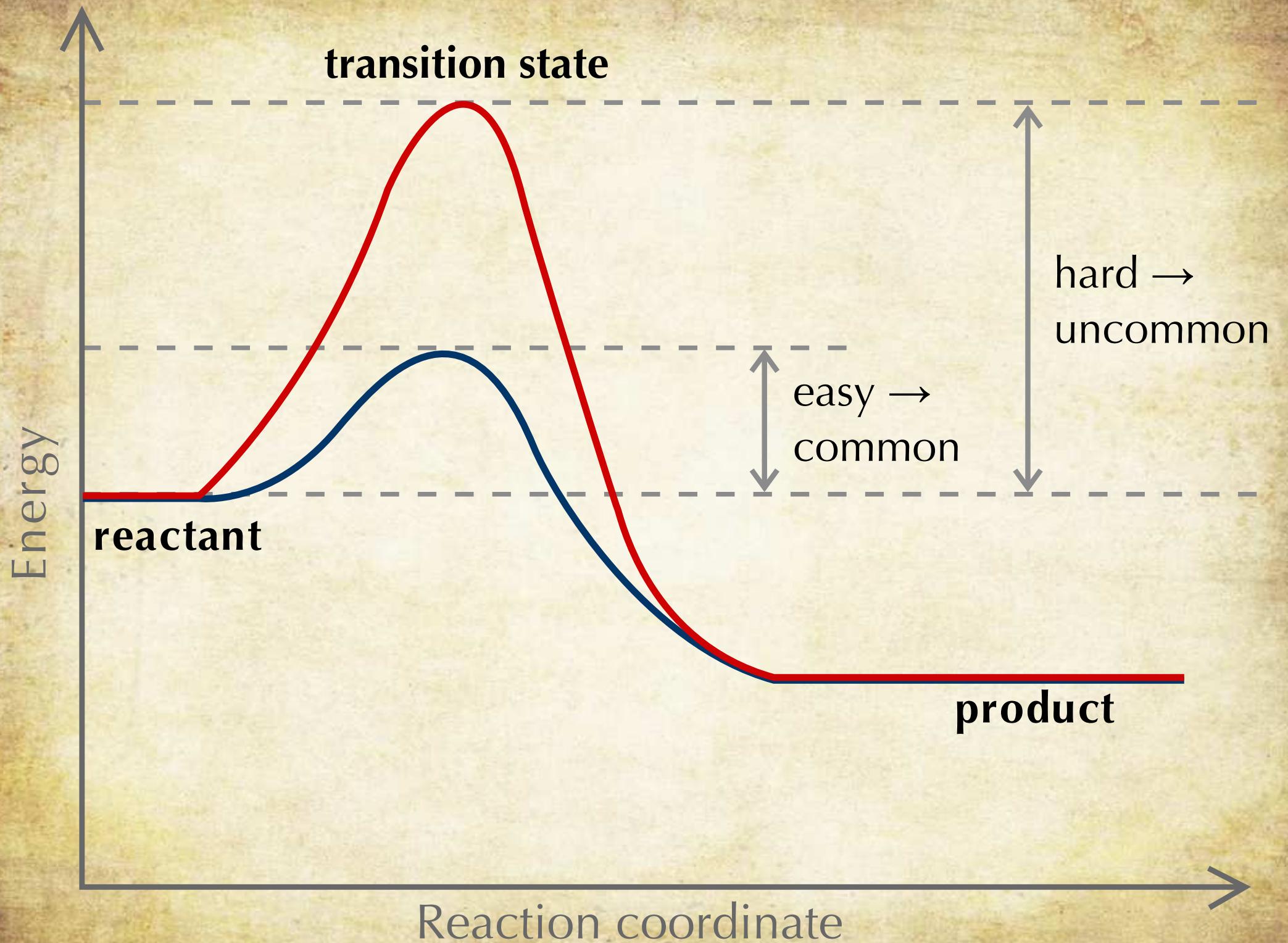
Web::Request, Web::Response

Web::Handler

Web::Lint

Web::MockRequest

Defaults vs Configuration

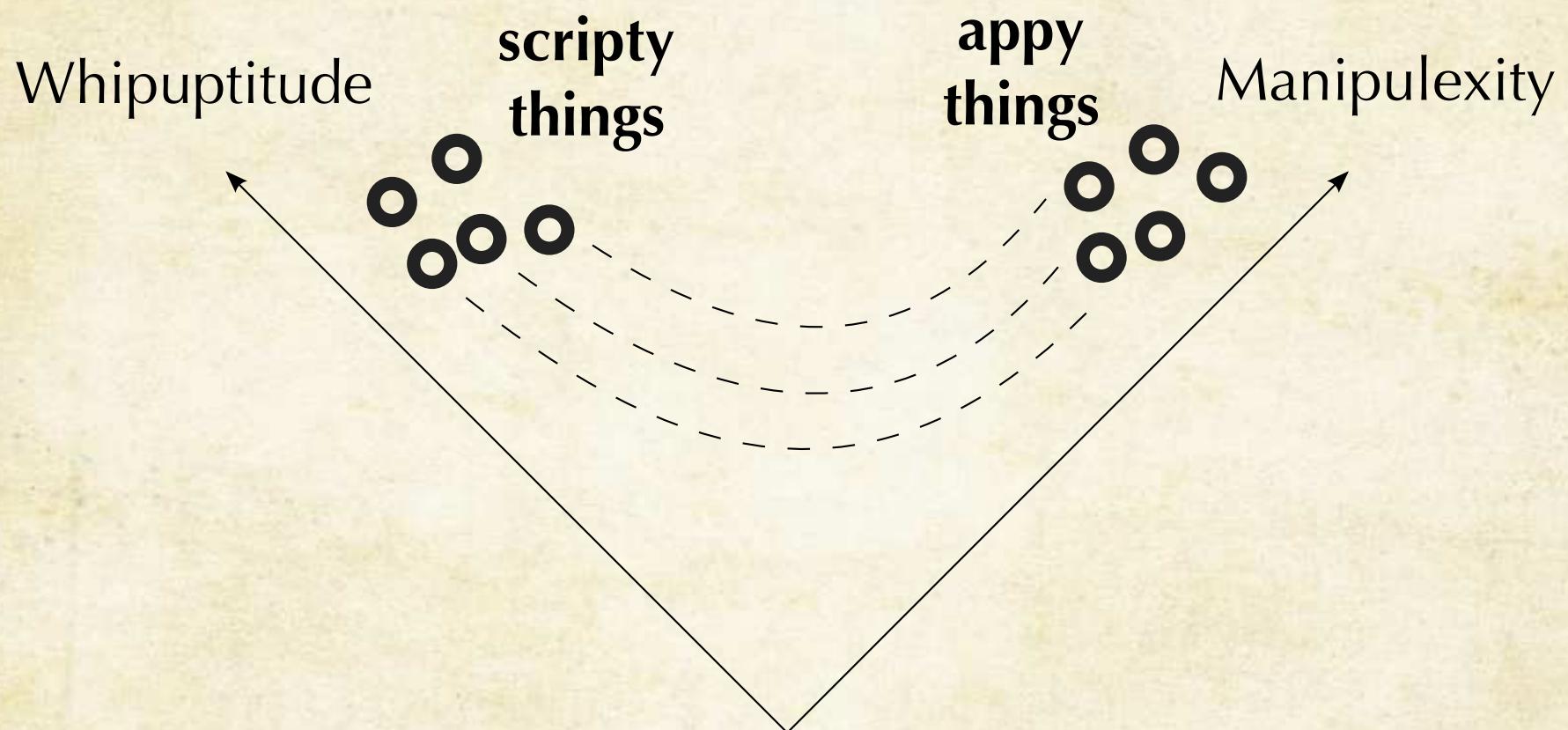


Civilization advances by extending
the number of important operations
which we can perform
without thinking about them.

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

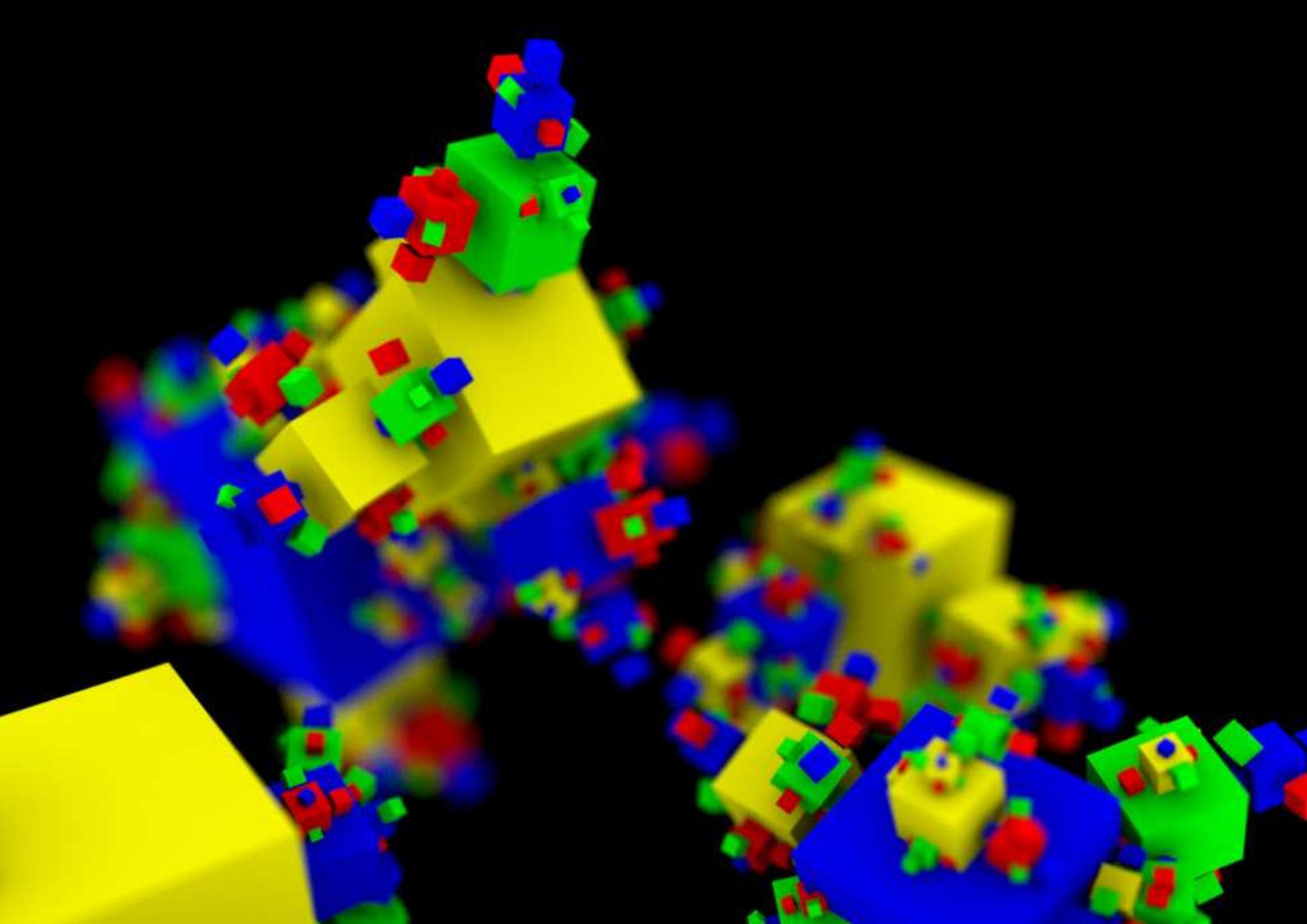
Spec

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/

Contact us

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Thank you

Questions?