Without Simplicity, there's no Agility

Russ Miles

Simplicity *itself*

or

Let’s stop polishing the Process Turd.

or…

Let’s stop polishing the
Process Turd
(quite so much)…

or
(more politically correct)...

On What Matters

Aren’t we there already?

A Story... (again)

Story 1

Forces against Agility?

Managing Natural Emergence

Entanglement

Human Comprehension

Assumptions...

Problems of Software Development

How do I avoid Over Production?

How do I create and maintain software that adapts as fast as the needs placed upon it?

Axioms

Your software's first role is to be useful

The best software is that which is not needed at all

Human comprehension is King

Mechanical Sympathy is Queen

Software is a process of
R & D

Software Development
is an
extremely challenging
Intellectual Pursuit

msdn

FLAHERTYS

3 Areas to Address

1) A means of exploring, recognizing and delivering the right thing

2) A means of organizing work that embraces change

3) A means of managing the natural constraints of your software so that it can adapt

“Adaptable Software”

Simplicity (in Software)

My working definition

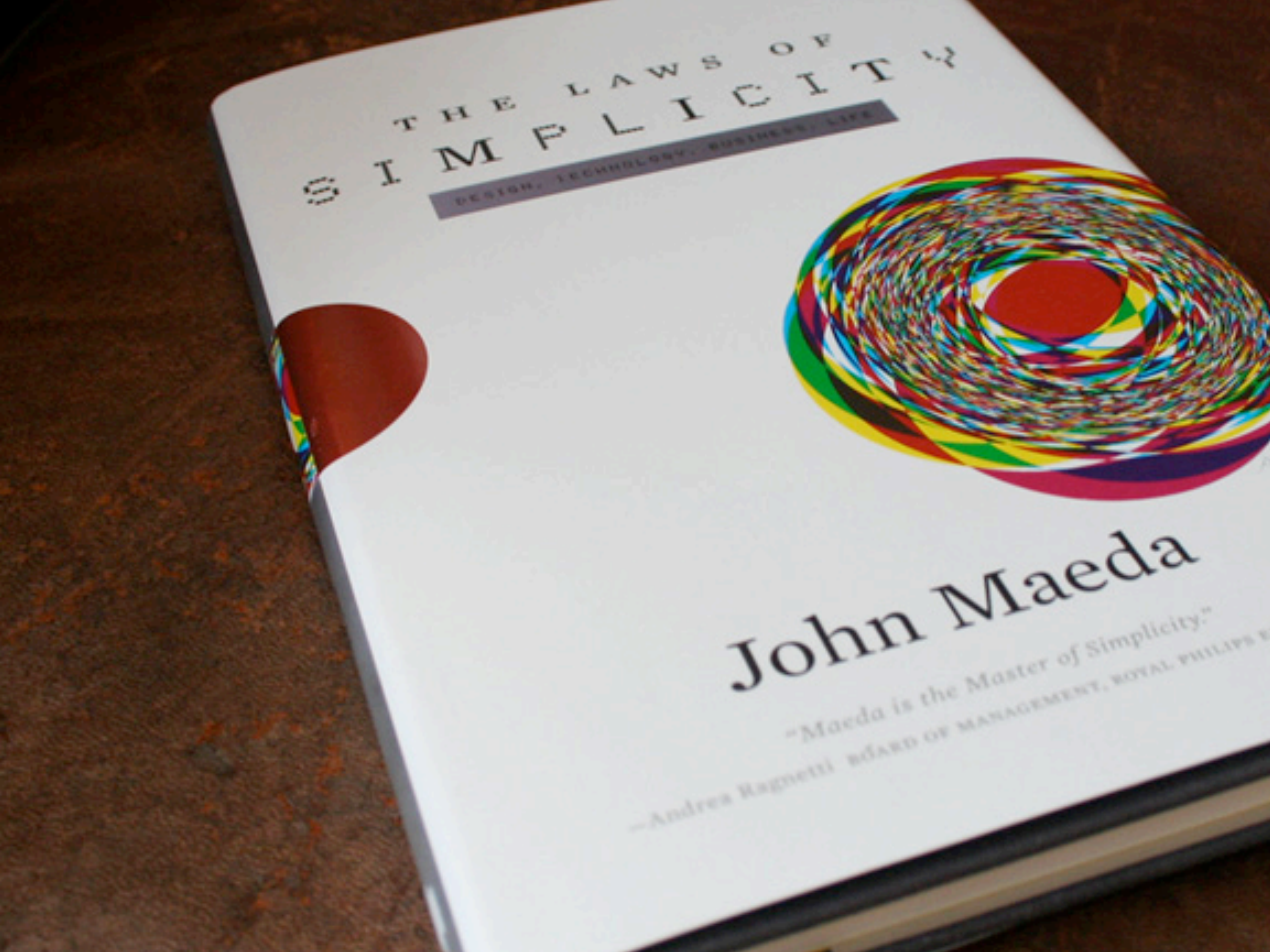
“*Reduction* to the point that *any further reduction* will *remove important value*”

Where Simplicity Sits

Reducing Entanglement

Complex => Simple => Over-simplified

Started off with 5 Principles



THE LAWS OF SIMPLICITY

DESIGN, TECHNOLOGY, BUSINESS, LIFE

John Maeda

"Maeda is the Master of Simplicity."
—Andrea Ragnetti BOARD OF MANAGEMENT, ROYAL PHILIPS E

Principles

- Organise
- Separate
- Reduce
- Hide
- Adapt

Simplified...
for Software

Principles

Organise => Reduce
=> Encapsulate

Reduce Entanglement, Increase Comprehension

O.R.E.

What’s the goal?

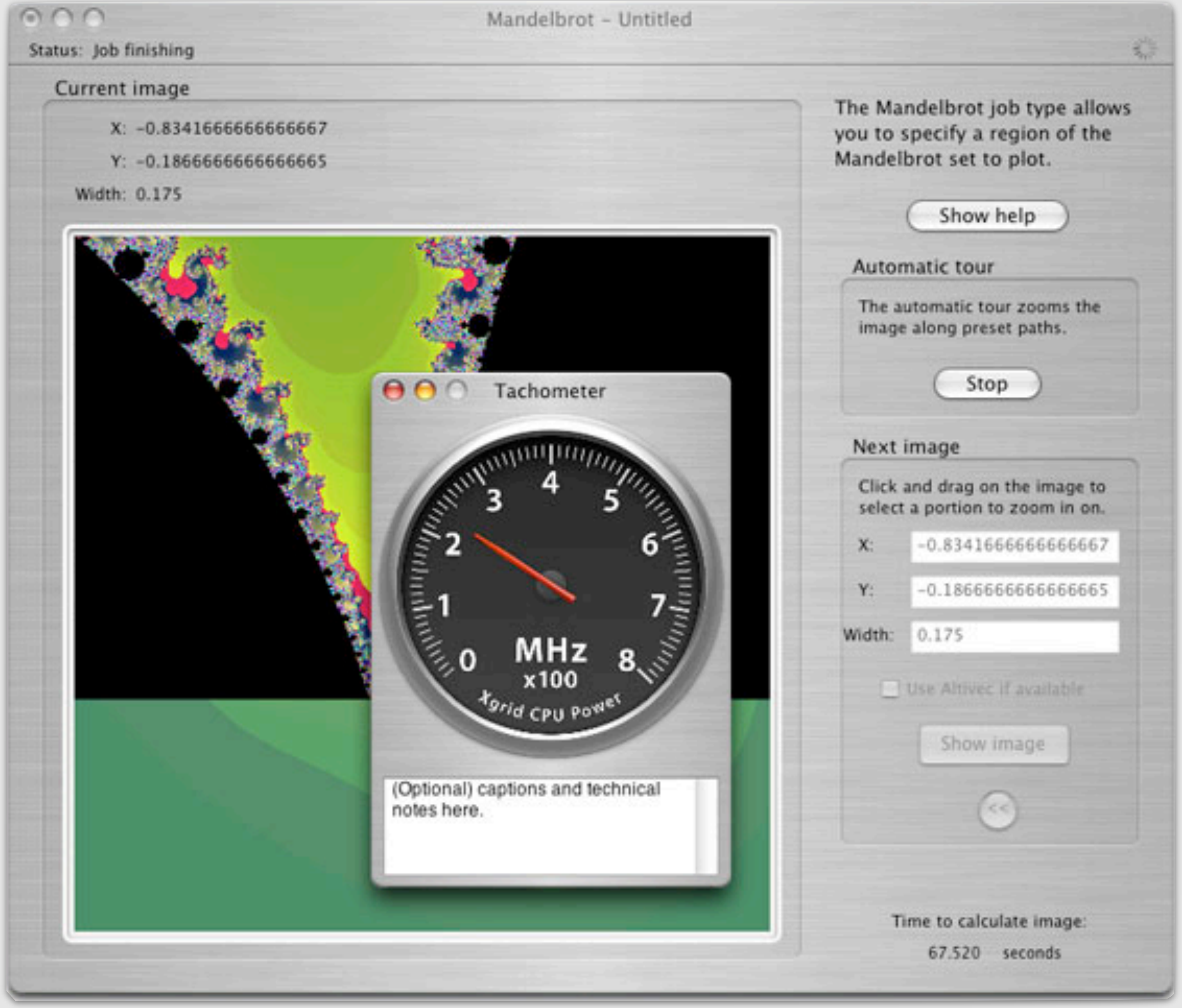
“The Elephant in the Standup”

Simplicity

“Count the Concerns” pattern

It’s not about *Cardinality*

We recognise and embrace it when we see it



Status: Job finishing

Current image

X: −0.8341666666666667

Y: −0.1866666666666665

Width: 0.175

The Mandelbrot job type allows you to specify a region of the Mandelbrot set to plot.

Automatic tour

The automatic tour zooms the image along preset paths.

Next image

Click and drag on the image to select a portion to zoom in on.

X: -0.8341666666666667

Y: -0.1866666666666665

Width: 0.175

□ Use Altivec if available

Time to calculate image:

67.520 seconds

(Optional) captions and technical notes here.

Sometimes it’s Tricksy

```
assertEquals(
          uut.toString(),
          “Rachmaninov”);
```

DRY...

Navigating the Options?

Impact Mapping

Real Options

Summary

Simplicity helps us beat the Elephant(s) in the Standup

O.R.E.

Organise =>
Reduce =>
Encapsulate

Emergence is natural

Adaptable Software Wins

Thank-you

russell.miles@simplicityitself.com
@russmiles

Simplicity *itself*