2011-05-08 □

Mariusz Lusiak applicała con May 8, 2011

Hey ho, lo!

Mariusz Lusiak

applicake.com

May 8, 2011

- The origin
- 2 The features
- The syntax
- 4 The concurrency
- 5 The challenge

The origin and usage of the lo language

The origin and usage of the lo language

2011-05-08 The origin

rather new

2002

2002



The origin
The features
The syntax
The concurrency
The challenge

Steve Dekorte



Steve Dekorte

- written to help him understand how languages work
- looks like a good way to get more insight into programming languages

2011-05-08 The origin

Where is it used?

Where is it used?

What language is it written in?

What language is it written in?

The features of the lo language

The features of the lo language

The features

Interpreted or compiled or both? Interpreted.

Interpreted or compiled or both? Interpreted.

lo -2011-05-08 The features

Object oriented

Object oriented

 $\begin{array}{c} \text{lo} \\ -0.270 \\ -0.020$

There are no classes

There are no classes

2011-05-08 The features

Prototype-based

Prototype-based

Type system



Type system

The features Weak or strong typing? Weak. (?)

Weak or strong typing? Weak. (?)

The features

Static or dynamic typing? Dynamic.

Static or dynamic typing?

Dynamic.

The origin The features The syntax
The concurrency
The challenge

Simple syntax



Simple syntax

• no syntactic sugar like in Ruby

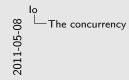
Strong support for concurrency

Strong support for concurrency

2011-05-08 The syntax

The syntax of lo language

The syntax of lo language



The concurrency in the lo language

The concurrency in the lo language

Coroutines

Coroutines

The origin
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Actors



Actors

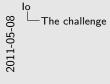
The origin
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Futures

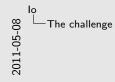
lo 20-11-02 The concurrency

Futures

The challenge(s)



Simple chat



Simple chat

The dining philosophers problem

The dining philosophers problem