

DPAR
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(DotPar)

A simple, lightweight, implicitly parallelized language

Motivation

- Moore's Law



Language Features

- Functional
- List Comprehensions
- Map/Reduce
- First Class Functions

Next...

INTRODUCTION

Logan Donovan – Project Manager

COMPILER STRUCTURE

Justin Hines – System Architect

ECOSYSTEM AND RUNTIME

Nathan Hwang – System Integrator

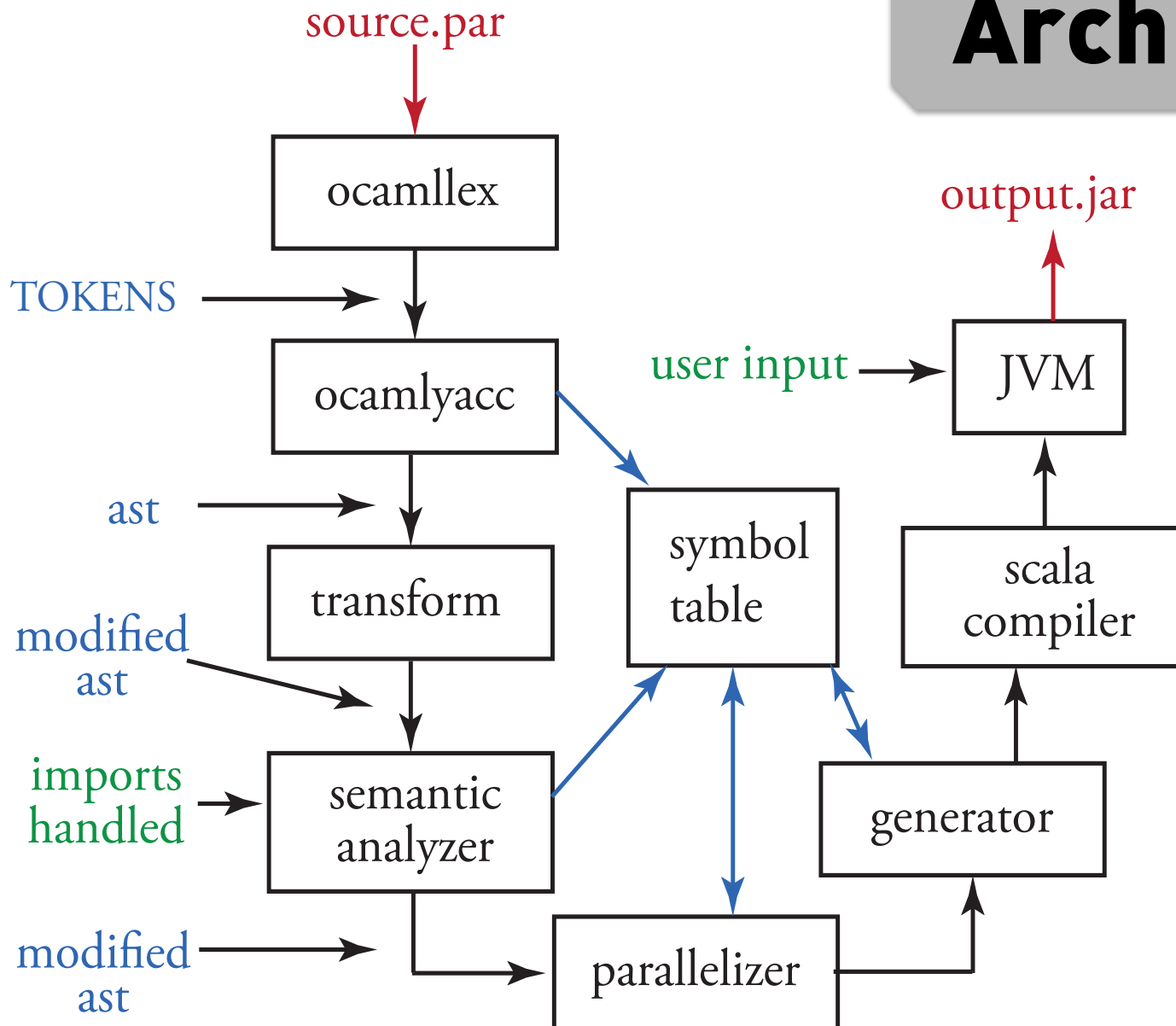
CODE DEMO

Sid Nair – Language Guru

TESTING AND LESSONS

Andrew Hitti – System Tester

Architecture



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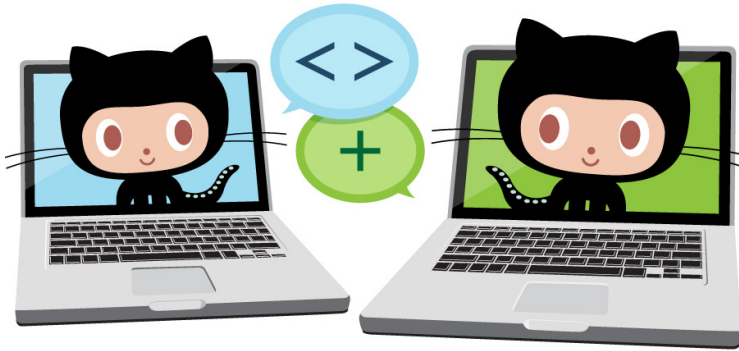
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TESTING AND LESSONS

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Ecosystem



LATEX



Scala



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Sample Code

Live Demo

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TESTING AND LESSONS

Andrew Hitti – System Tester

Testing

- Development Methodology
- Automation
 - Makefile
 - Scripts

Lessons

- Start Early
- Pair Programming
- Make Group Deadlines Hard Deadlines

Questions?