Pharo Status

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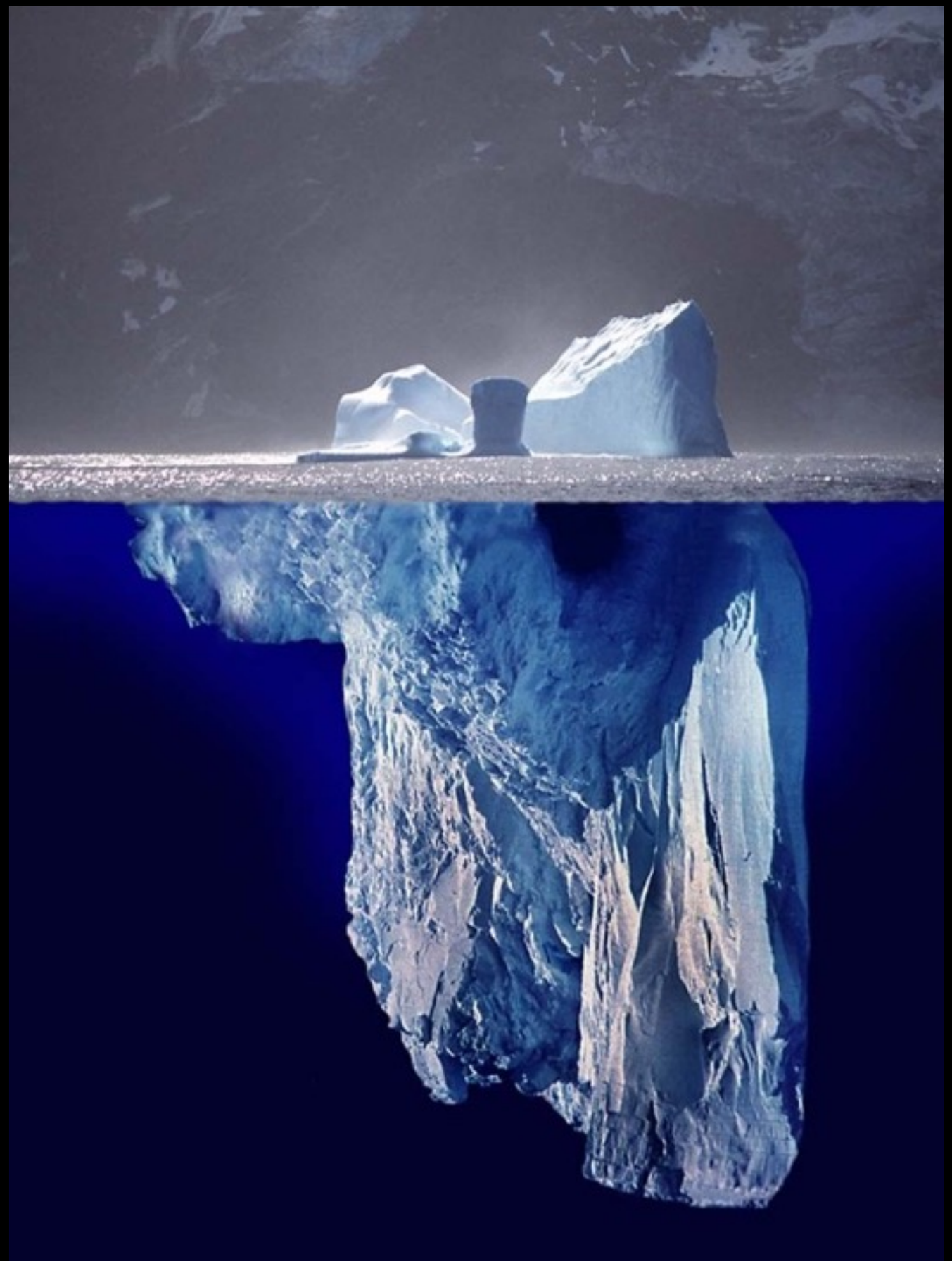
Iceberg

- A lot of Changes!
- Not everything visible



Pharo4

- To be released Spring 2015
- Already 467 updates
- >1200 Issues closed
- Very stable

Small things…

- Improved Refactorings
- 6MB Deployment Image
- ifTrue: on non-Booleans
- Browser and Tool cleanups
- Context Cleanup (MethodContext/ContextPart merge)

Pharo-20140602.image

Workspace

```
HP35CalculatorUIModel open.

HP35CalculatorUIModel new inspect; openWithSpec.
```

HP-35

3.141592653589793

x^y	LOG	LN	e^x	CLEAR
SQRT	ARC	SIN	COS	TAN
1/x	SWAP	ROLL	STO	RCL
ENTER	+/-	EE	CLx	
-	7	8	9	
+	4	5	6	
*	1	2	3	
/	0	.	π	

HP35CalculatorModel>>#pi

Type: Pkg1 | ^Pkg2 | Pk.*Cor

- HP35-Calculator
- HP35-Seaside-Calculat
- HelpSystem-Core
- HelpSystem-Tests
- History
- HudsonBuildTools20
- jQuery-Core
- jQuery-UI
- Javascript-Core
- Javascript-Pharo20-Cor

- HP35CalculatorModel
- HP35CalculatorTests
- HP35CalculatorModelTes
- HP35CalculatorUIModelT
- HP35CalculatorUIModel
- RPNCalculatorCore
- RPNCalculatorCoreTests

-- all --
accessing
copying
initialize
keys
printing
private
testing

one
pi
power
rcl
reciprocal
rollDown
seven
sin
six
sqrt

Groups | Hierarchy

```
pi
    self autoEnter.
    core x: Float pi.
    self resetInputAutoEnter
```

HP35CalculatorModel

< > EyeTreeInspector

- root: a HP35CalculatorModel('3.141592653589793' a RPNCalculatorCore(3
  - core: a RPNCalculatorCore(3.141592653589793 0 0 0)
  - memory: 0
  - input: ''
  - inputState: #new
  - arcMode: false
  - autoEnter: true
  - error: nil

```
self reciprocal
```

RPNCalculatorCoreTests>>#testDivision

Type: Pkg1 | ^Pkg2 | Pk.*Cor

- HP35-Calculator
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- Javascript-Core
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- HP35CalculatorModel
- HP35CalculatorTests
- HP35CalculatorModelTes
- HP35CalculatorUIModelT
- HP35CalculatorUIModel
- RPNCalculatorCore
- RPNCalculatorCoreTests

-- all --
running
testing

- setUp
- testAddition
- testArcSinCosOutOfRan
- testClear
- Run the test cCos
- testDivision
- testDivisionByZero
- testEmpty
- testExpLn
- testLog

Groups | Hierarchy | Class side | Comments

RPNCalculatorCoreTests >>#testDivision

```
testDivision
    core x: 100; enter; x: 4; divide.
    self assert: core x equals: 25
```

56

Test Finished
Method:
RPNCalculatorCoreTests>>#testDivision

Test Runner

Hit return to accept | Hit return to accept

- Seaside-Tests-RenderLoop
- Seaside-Tests-Environmen
- Seaside-Tests-Pharo-Funct
- Seaside-Tests-Pharo-Conti
- Seaside-Tests-Welcome
- Bootstrap-Tests-Core-Canv
- Bootstrap-Tests-Core-Libra
- Bootstrap-Tests-Widgets-C
- MemcachedTests
- Beacon-Tests
- SystemLogger-Tests
- SystemLogger-TestsExtens
- Zinc-WebSocket-Tests
- Zinc-SSO-OAuth1-Tests
- Zinc-SSO-OpenID-Tests
- FuelBeacon-Tests
- HP35-Calculator
- HP35-Seaside-Calculator

- *HP35CalculatorTests*
- HP35CalculatorModelTests
- HP35CalculatorUIModelTes
- RPNCalculatorCoreTests

118 run, 118 passes, 0 skipped, 0 expected failures, 0 failures, 0 errors, 0 unexpected passes

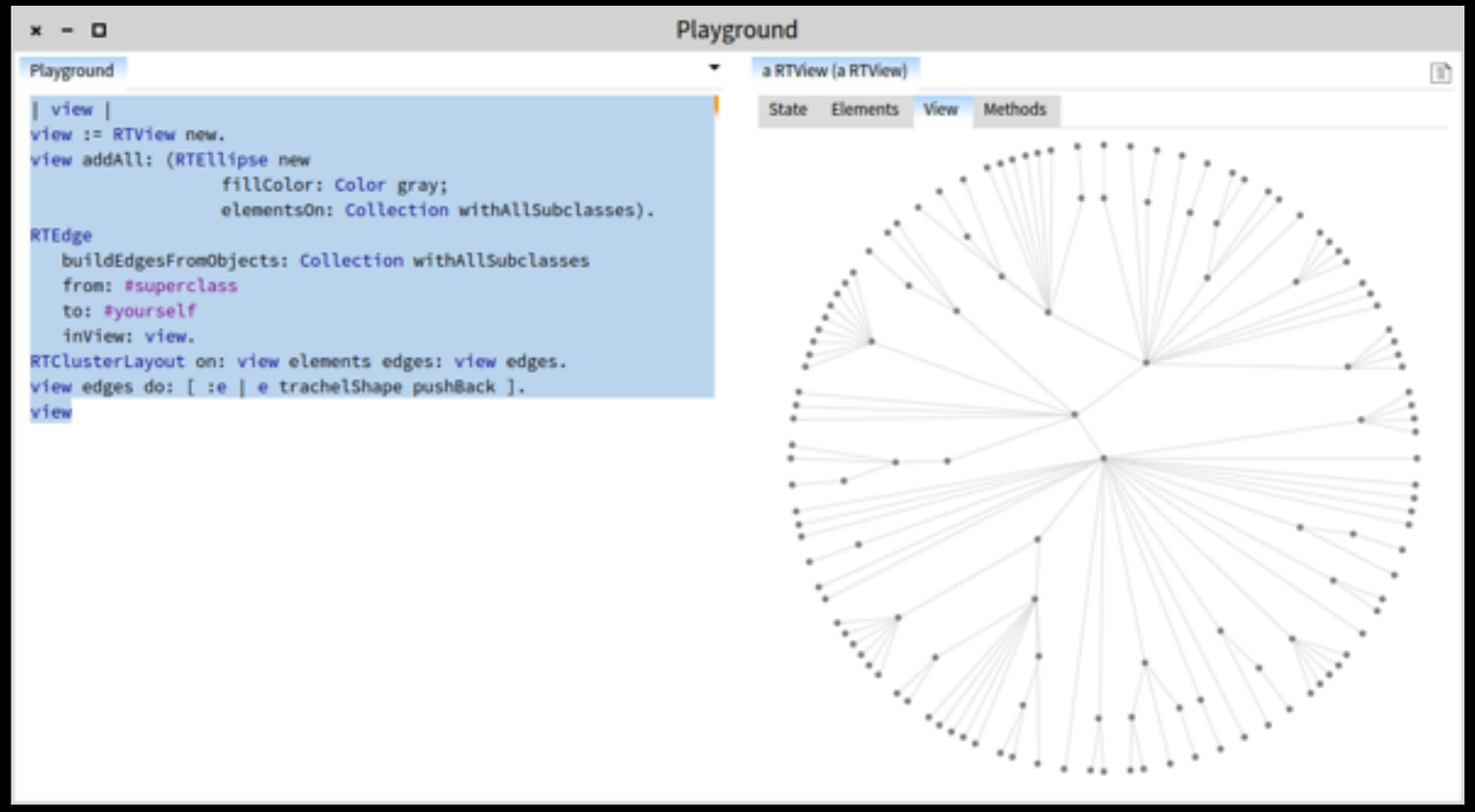
Run Selected | Run Profiled | Run Coverage | Run Failures | Run Errors | File out results

Workspace | Workspace | HP-35 | HP35CalculatorM... | HP35CalculatorM... | RPNCalculatorCo... | Test Runner

GT Tools

Spotter

GTInspector



TxText

New TextModell

Preview in Pharo4

First Class Variables

- First class Instance Variables (Slots)
- First class globals + class variables

In Progress

- For Pharo4 or 5

Epicea

- Replace .changes
- High level model:
  - aggregate changes (refactoring)
  - serialized to disk independent of source model

Advanced Reflection

- Partial Behavioral Reflection
- Associate MetaObject with structural object
  - Slots, Globals
  - AST nodes

And more…

- VM related news
- Spur, Sista, 64bit…
- ……. there are lots of talks here

Questions ?