

# TDD With Groovy

**Matt Taylor**

# Test Driven Development

— [ Write test first

— [ Write code to pass test (and nothing else!)

— [ Refactor

**Repeat until functionality has been achieved**

# Emergent Design

- [ Write tests as if the perfect API already exists
- [ Think of yourself as an excavating archeologist

# Groovy

- [ Dynamic typing
- [ Closures
- [ Meta Object Protocol (MOP)

# Groovy example

```
def list1 = (1..100).findAll {  
    it % 5 == 0  
}  
def list2 = list1.collect { it * 10 }  
println list2.join(', ')
```

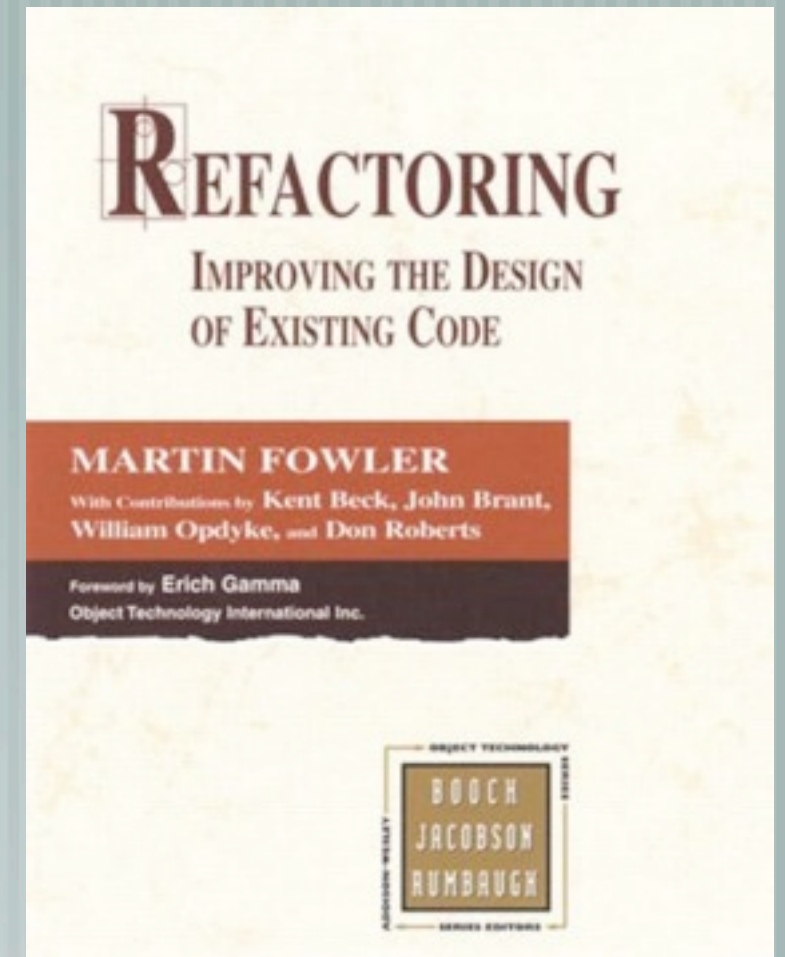
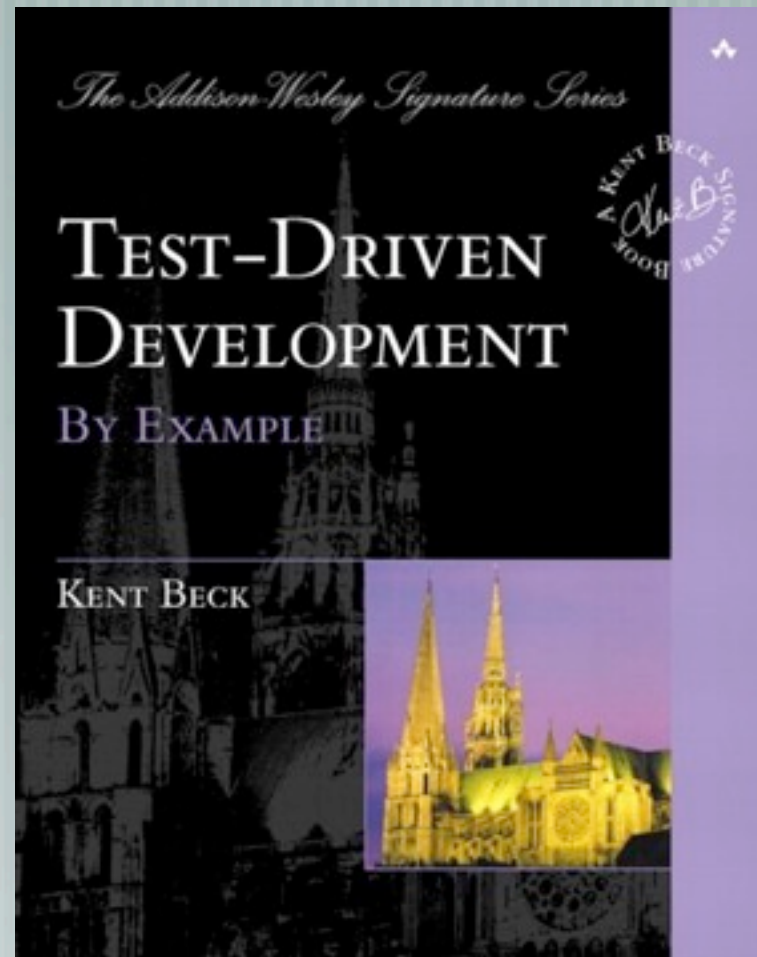
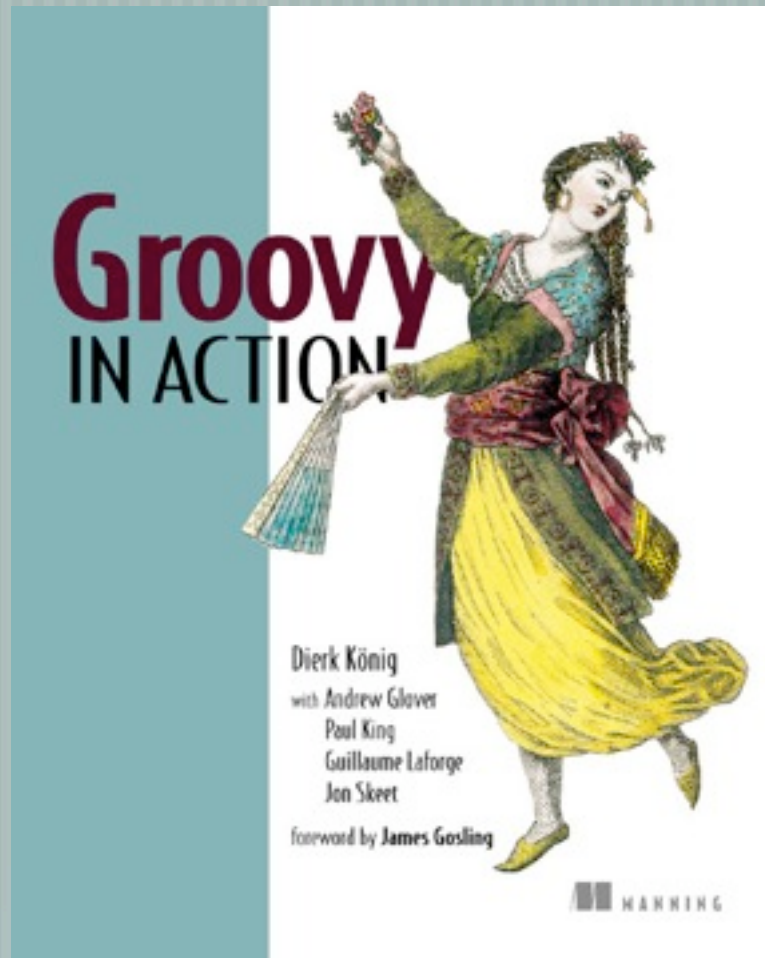
prints:

```
50, 100, 150, 200, 250, 300, 350, 400,  
450, 500, 550, 600, 650, 700, 750, 800,  
850, 900, 950, 1000
```

# ENOUGH SLIDES!

**Bring on the CODE**

# Resources



<http://github.com/rhyolight/groovy-unitconverter>

<http://www.gatewaygroovy.org>



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