

dotScale 2017

A SHORT INTRODUCTION TO  
**INTERVAL TREE CLOCKS**

@pchapuis

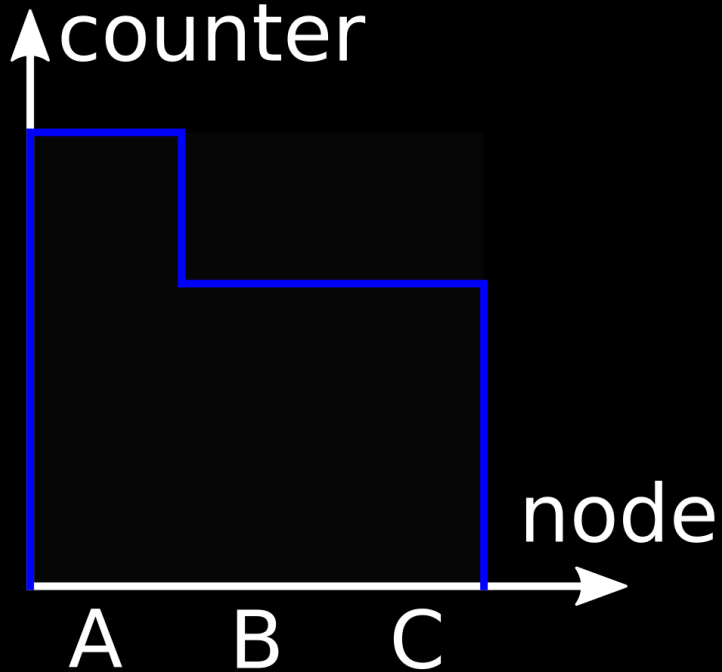
web: [catwell.info](http://catwell.info)

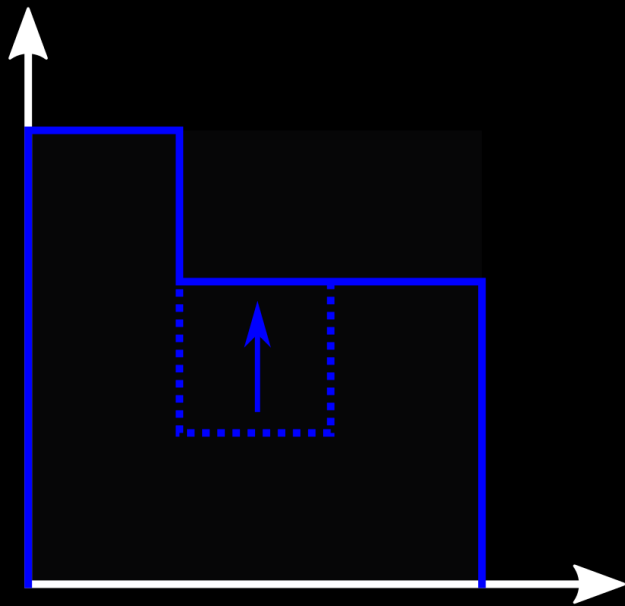
work: [meetlima.com](http://meetlima.com)

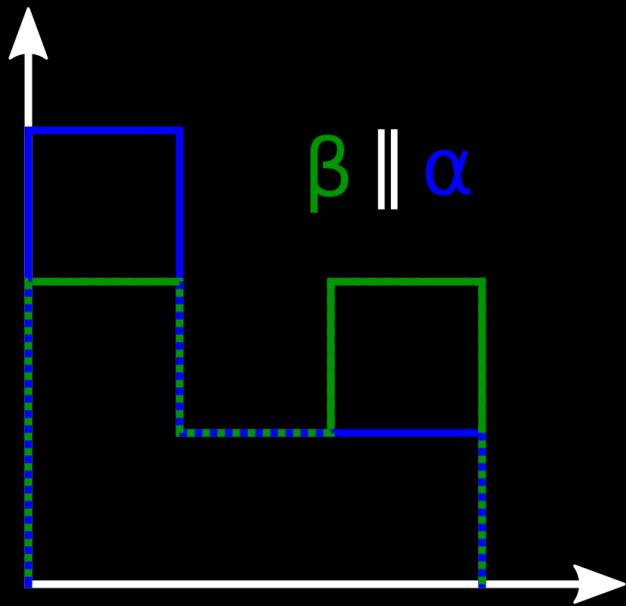
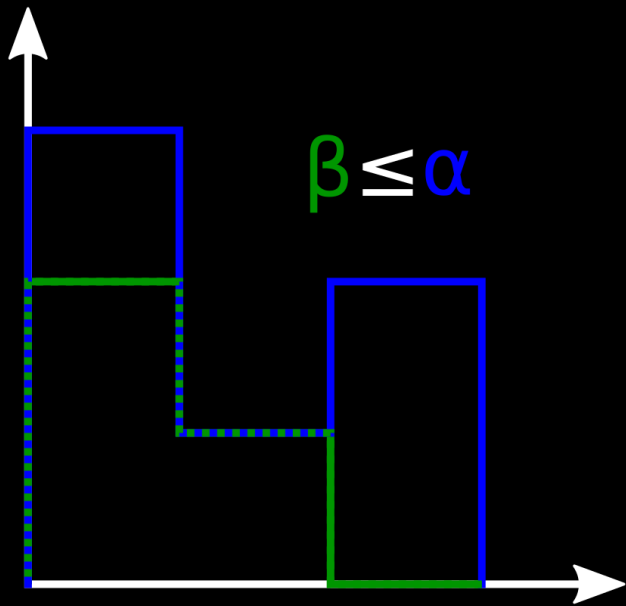
CAUSALITY

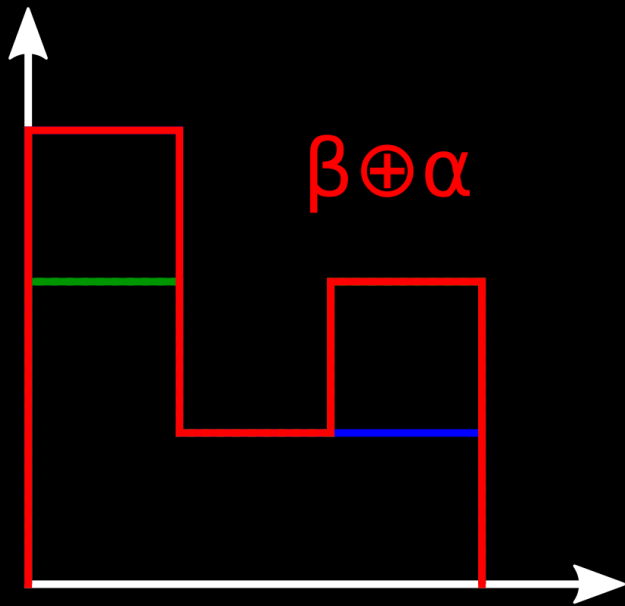


Version Vectors









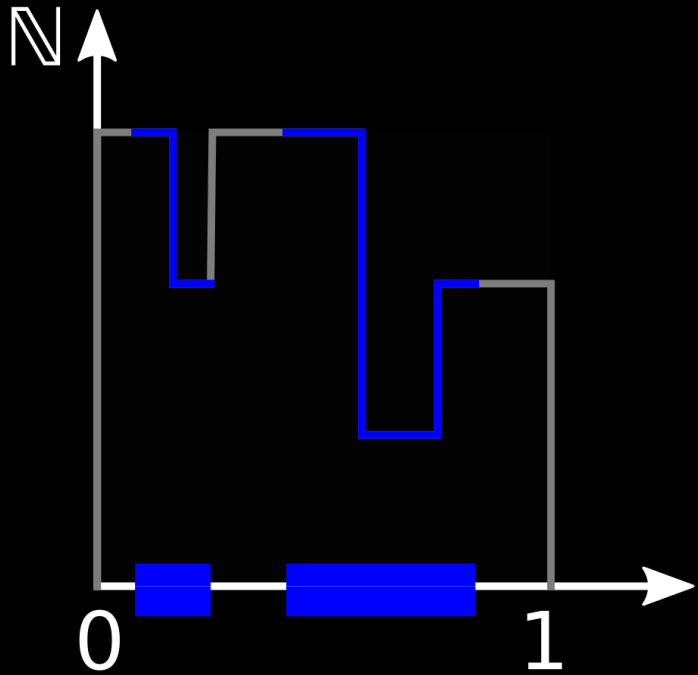
dynamic system



actor explosion

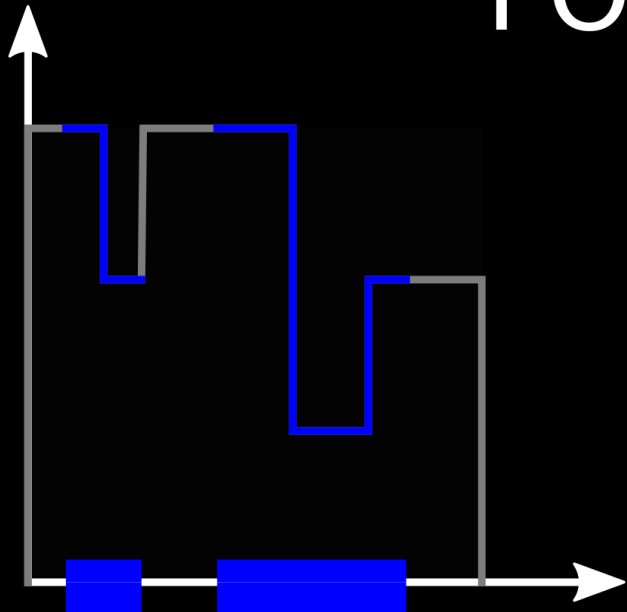


ITC

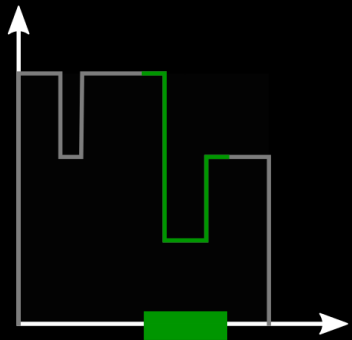
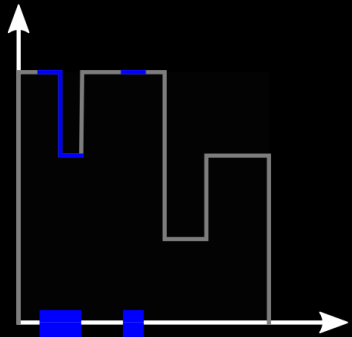




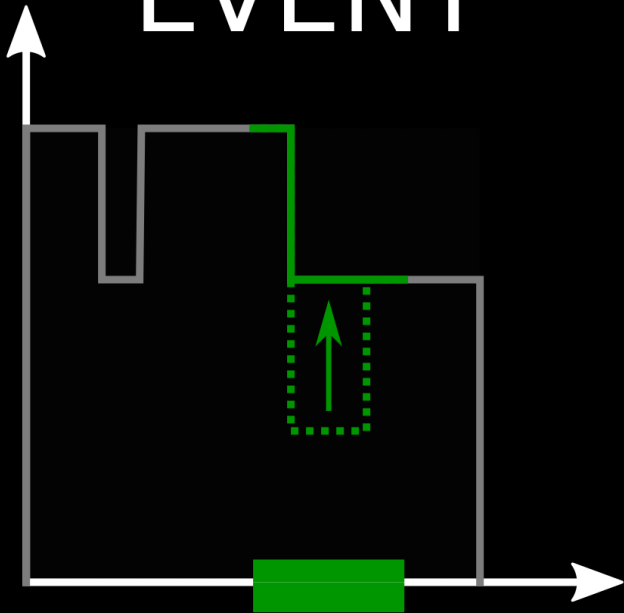
# FORK

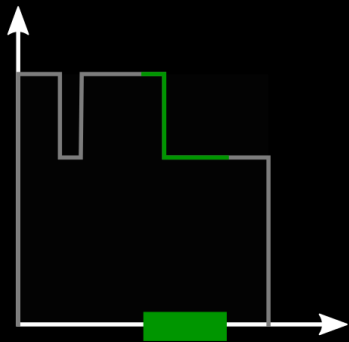


$\Rightarrow$

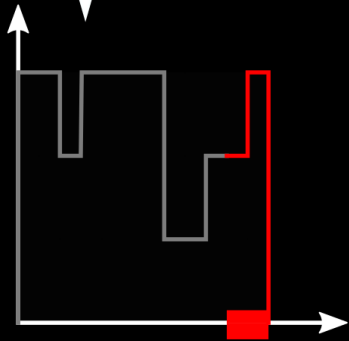


# EVENT



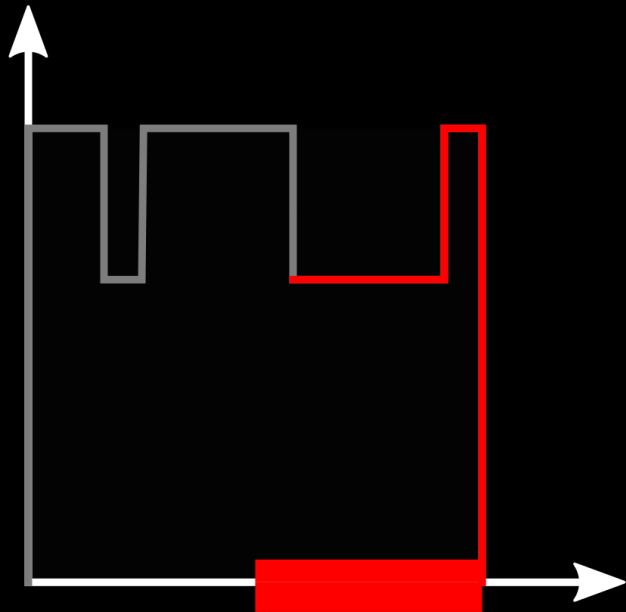


merge

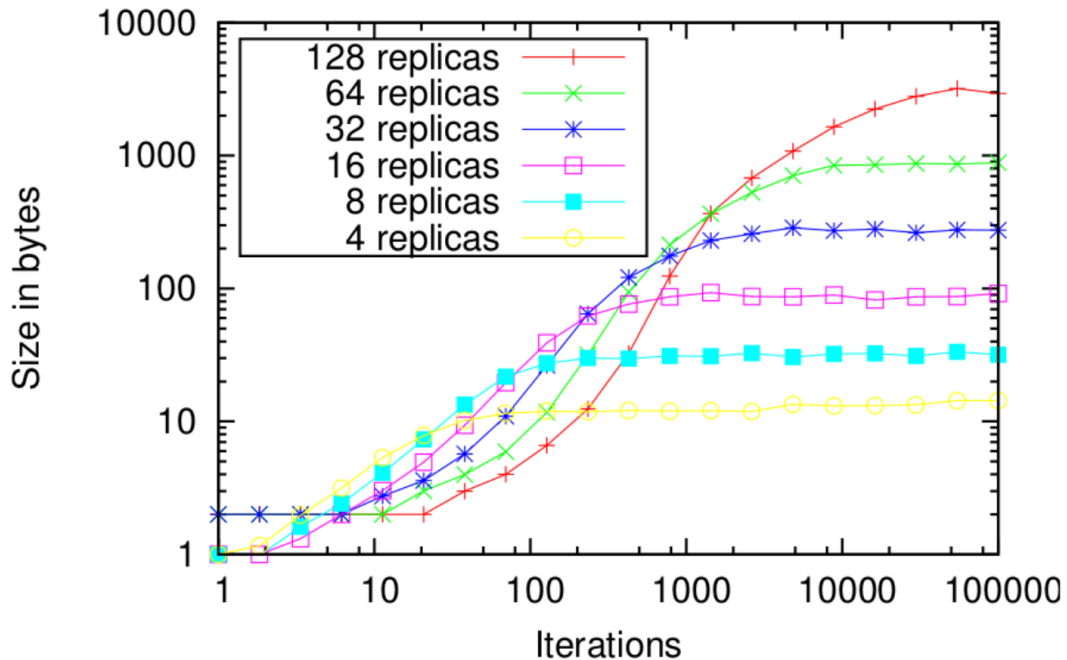


$= \vee$

JOIN



# Data Causality in a Dynamic Setting



# TO LEARN MORE

Paulo Sérgio Almeida, Carlos Baquero and Victor Fonte  
Interval Tree Clocks: A Logical Clock for Dynamic Systems

[github.com/catwell/itc.lua](https://github.com/catwell/itc.lua)