#### Kurt the PDFKitten

An Objective-C programming framework

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#### Missing library in iOS for search and annotation!



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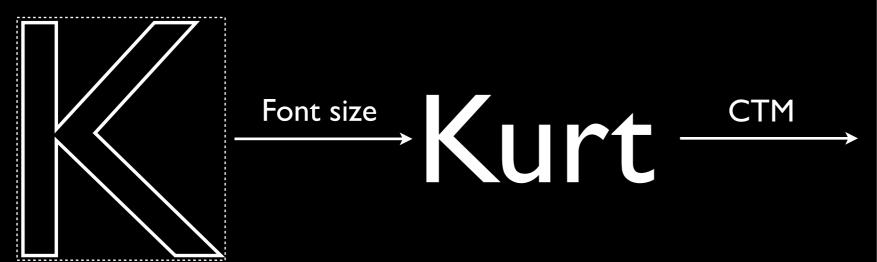
### Operators

# Rendering State

- Text matrix
- Line matrix
- Font
- Fontsize
- Character spacing

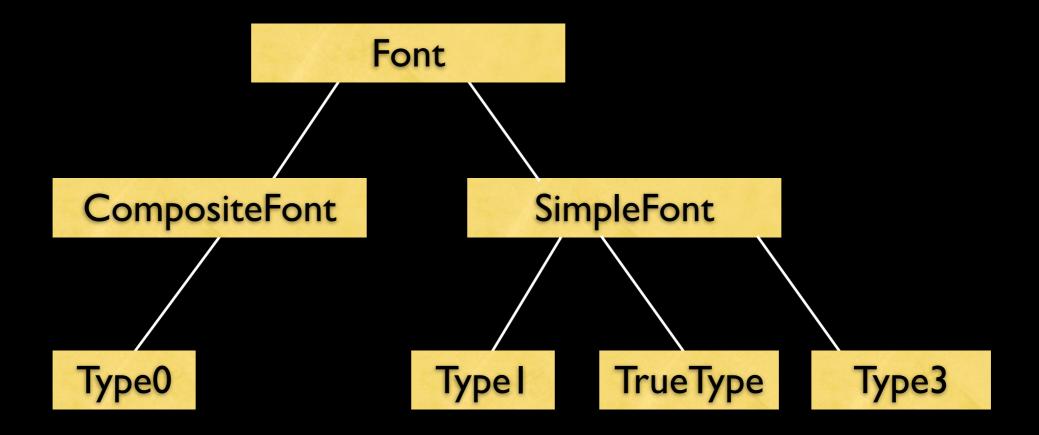
• ...

# Coordinate systems

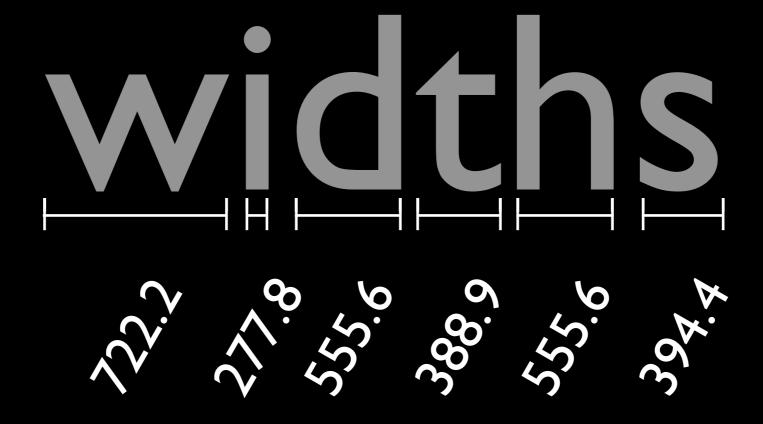


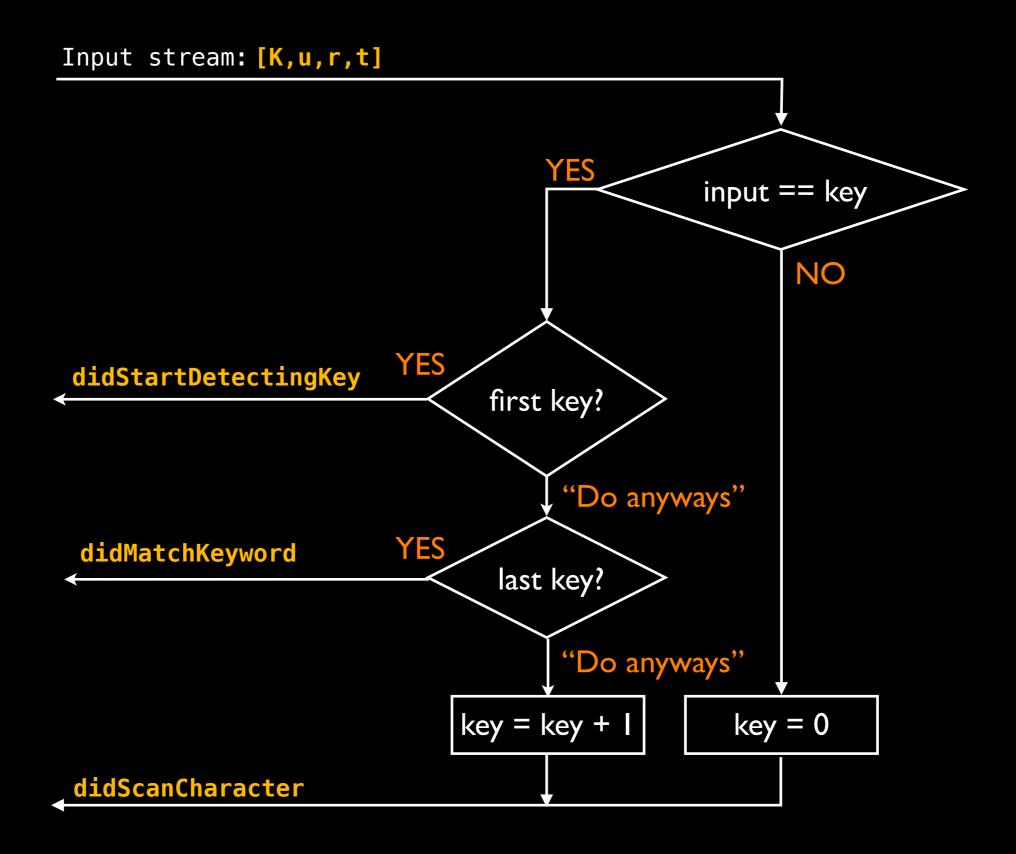
A cat in his best years, Kurt lives alone in his countryside house, miles outside the small town of Chatmonix.

# Font

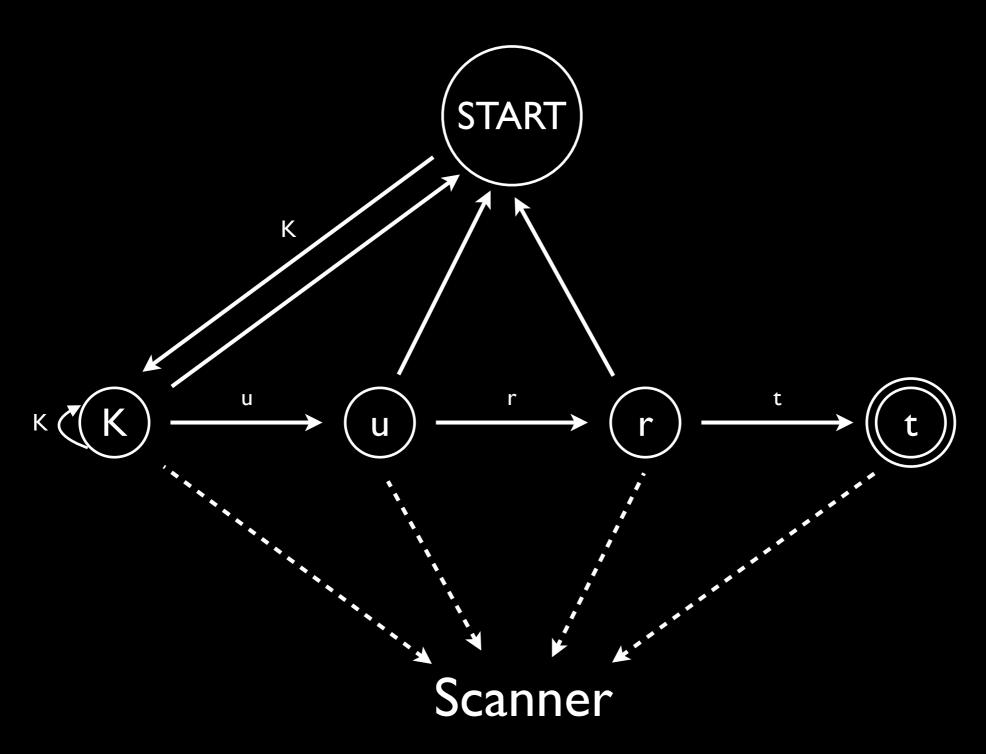


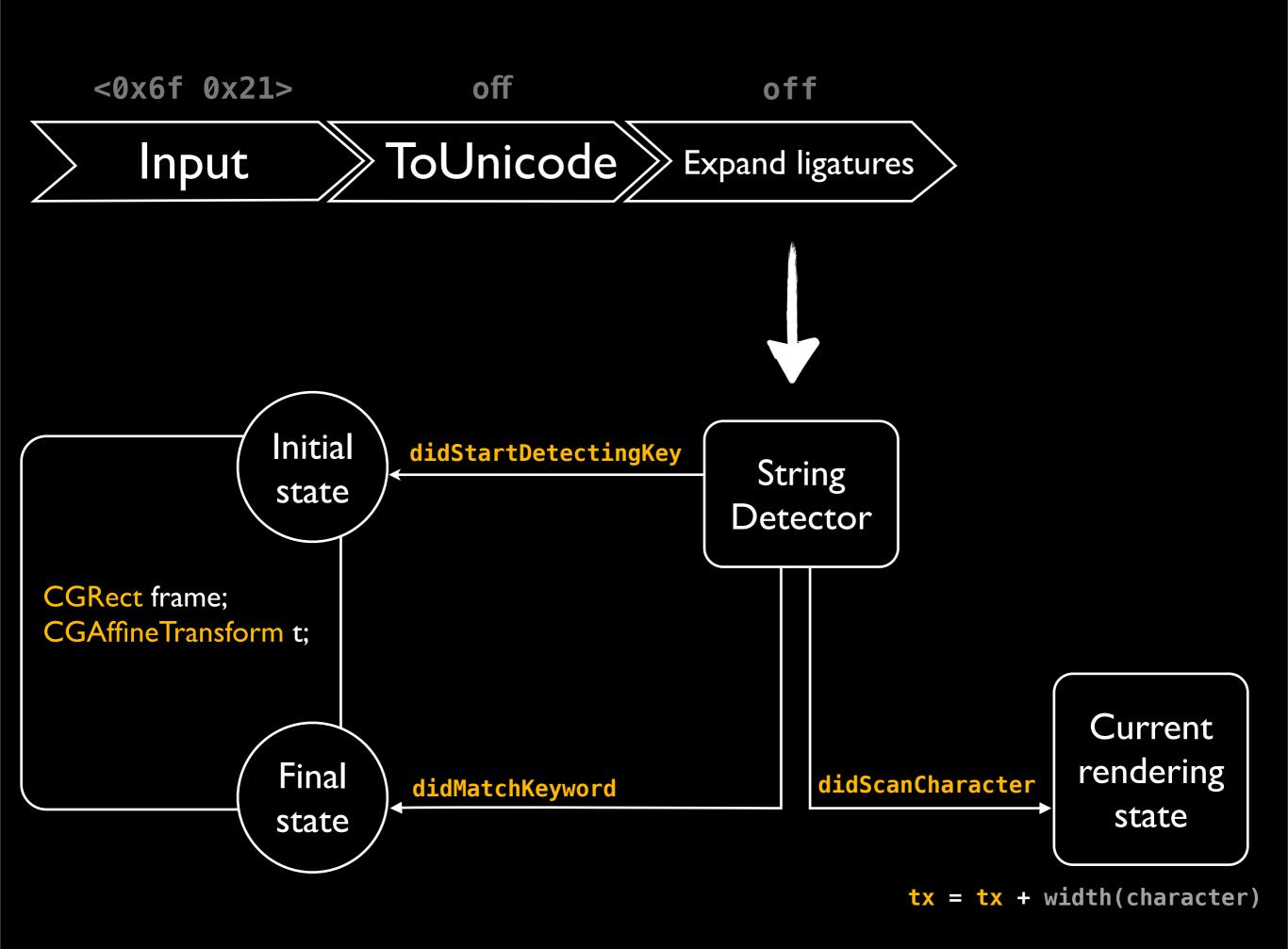
#### Character widths in glyph space



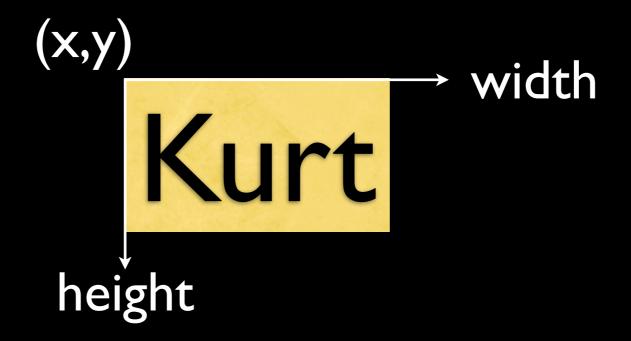


# String detector





#### **Rectangle**



#### Linear transform

# Pesky problems

missing toUnicode mapping

No way of telling how characters should be mapped from their CIDs!

ligatures

ligature not represented in unicode

Diverse interpretations of standards

For example using alignment instead of space character

### Demo



### Future work

- Outline
- Annotation