

# Scrolling Like Butter

Sam Soffes



# UITableView

Everyone's doing it



# UITableView

Scrolling Nemesis





Scribbles  
FOR MAC



Tweetie  
FOR MAC

NEW



Tweetie  
FOR IPHONE

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## Fast Scrolling in Tweetie with UITableView

DECEMBER 12, 2008

Scrolling is the primary method of interaction on the iPhone. It has to be fast. It **has to** be fast. More than a few developers have asked me how I do it in [Tweetie](#), so I figured I would share a really fast and really clean technique people can adopt in their own apps.

### The Solution

Cutting to the chase, here's the secret: One custom view per table cell, and do your own drawing. Sounds simple? That's because it is. It's actually simpler than dealing with a ton of subviews of labels and images, and it's about a billion times faster (according to my informal tests).

<http://blog.atebits.com>



So what's good?

Double cheeseburger. Ketchup only.



1 FPS

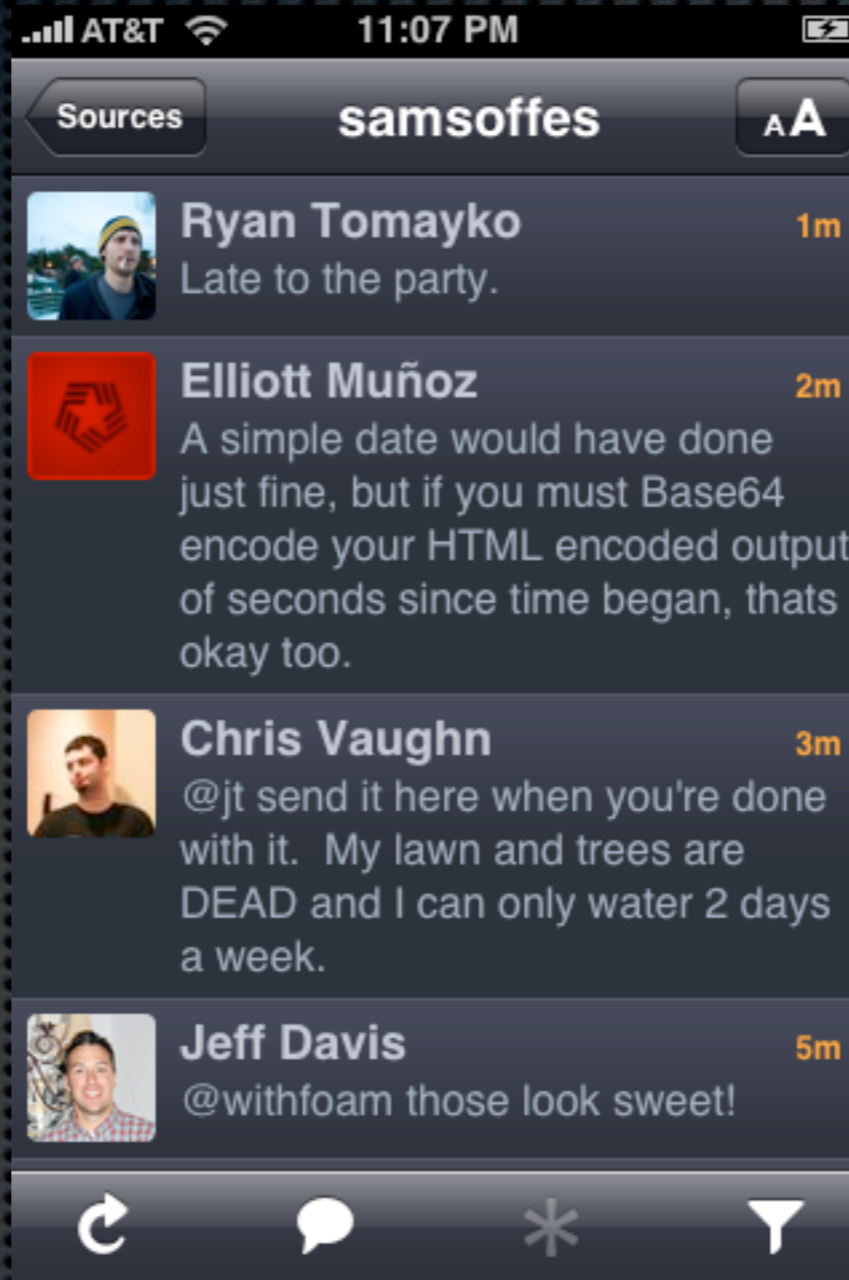
>30 FPS

---

Choppy

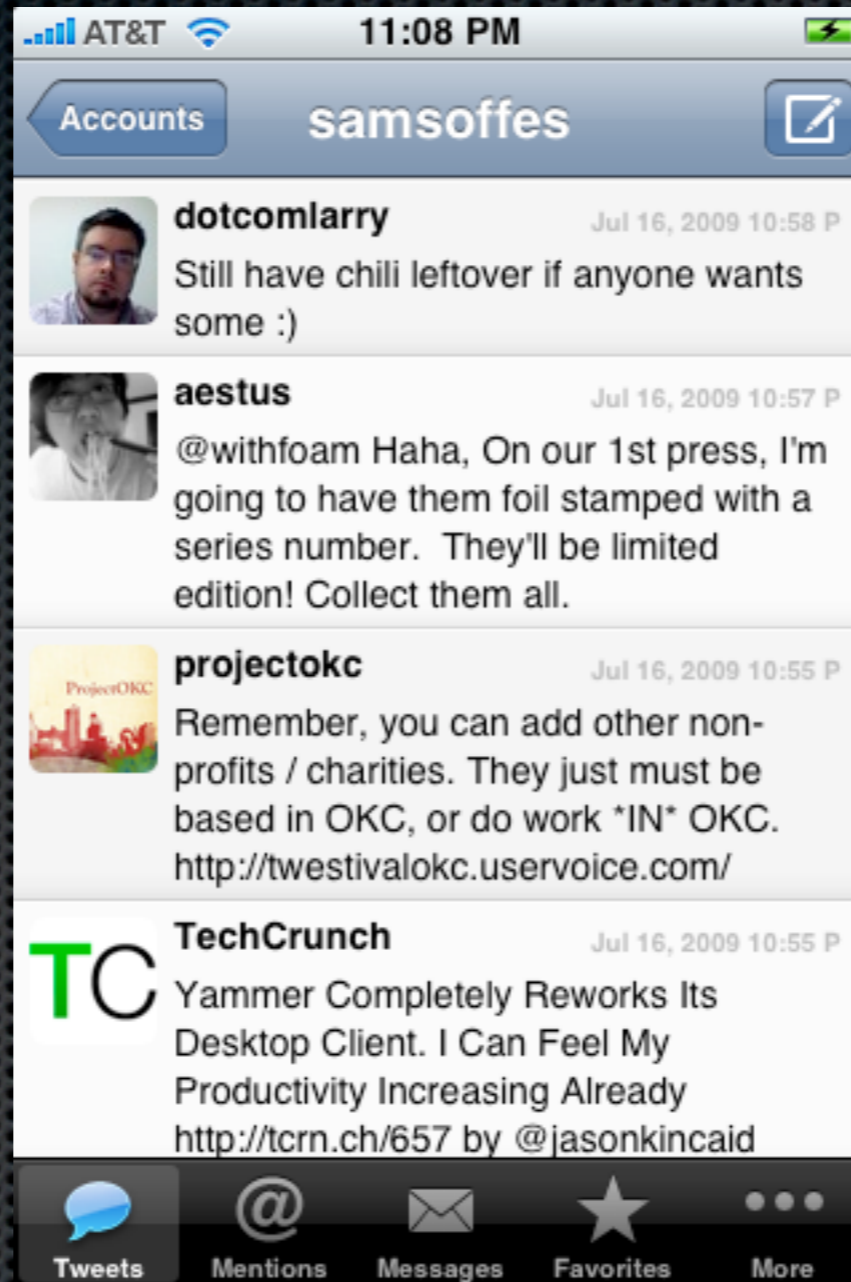
Awesome





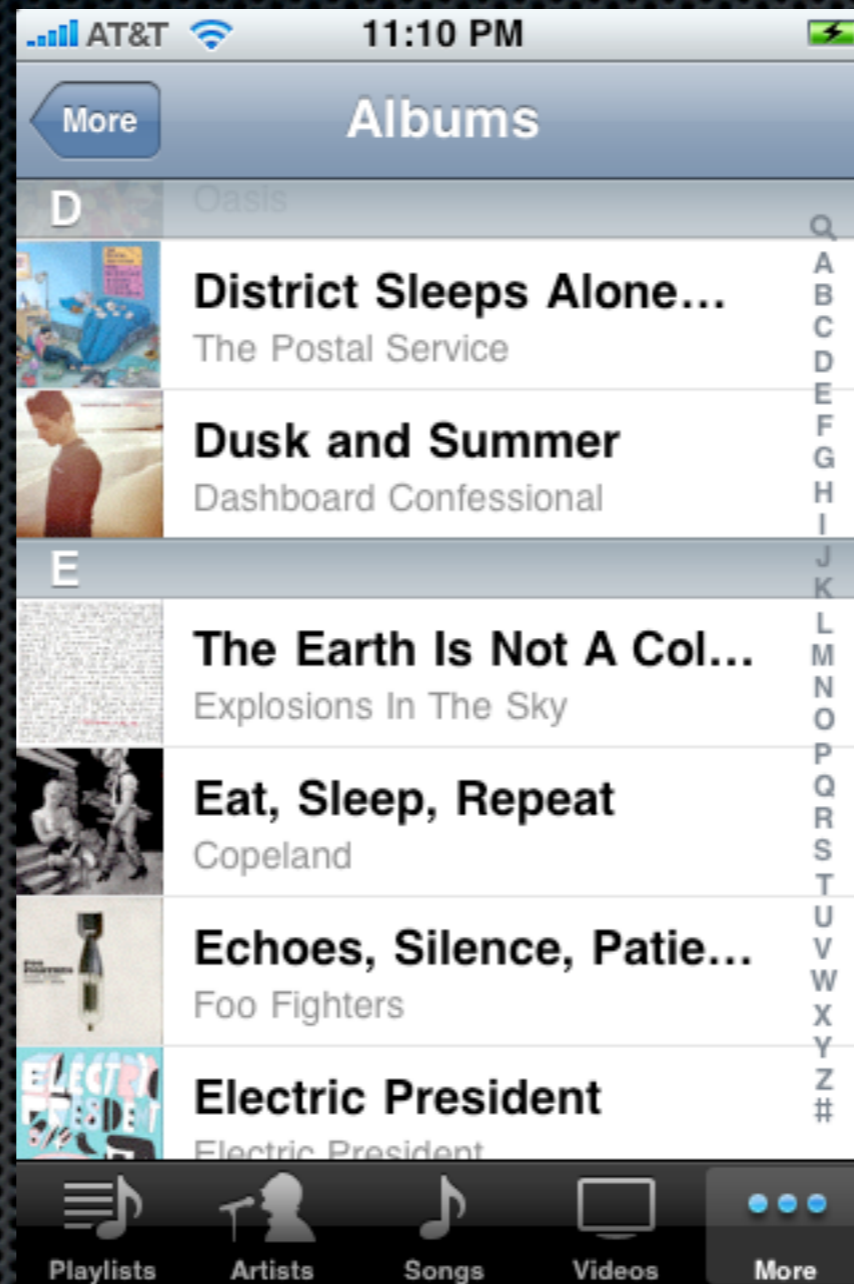
Twitterrific





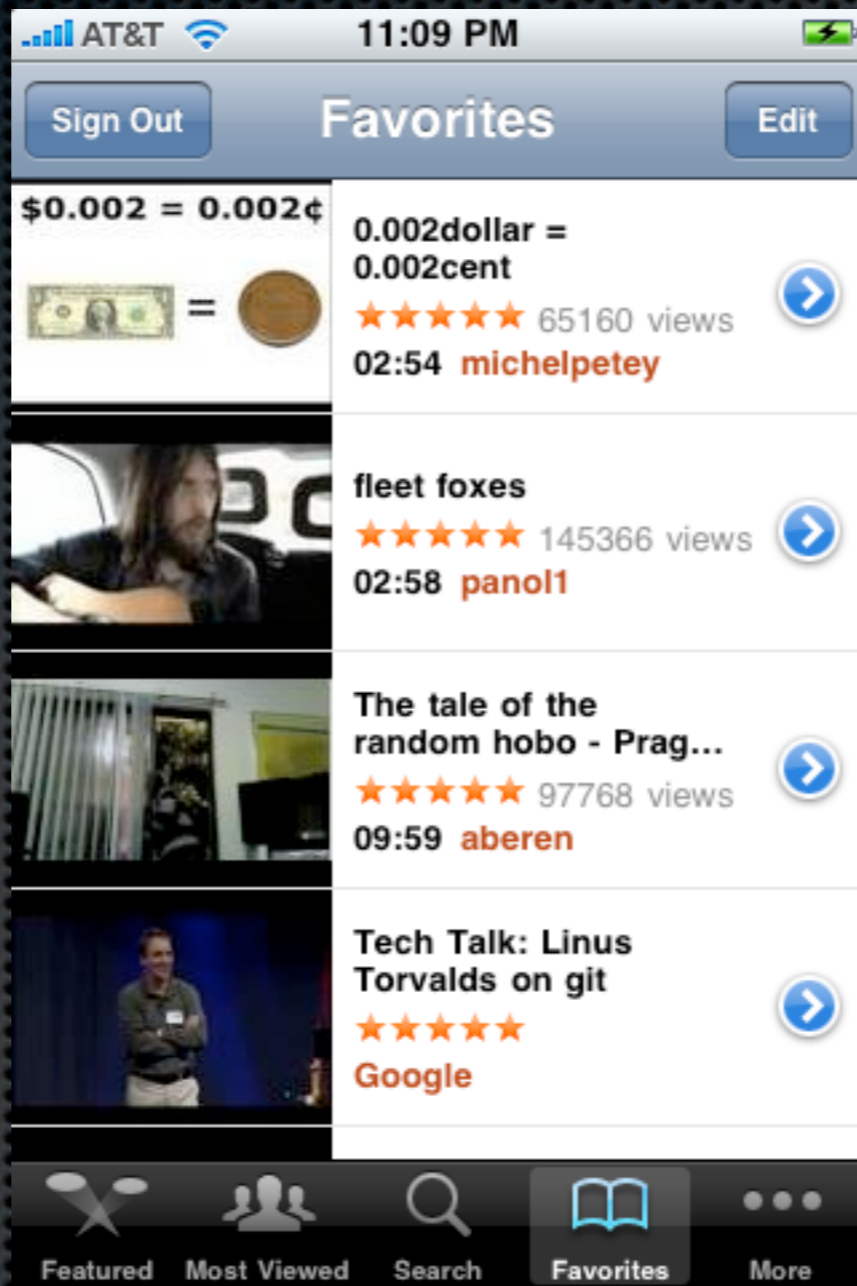
Tweetie





iPod





YouTube



You're doing it wrong

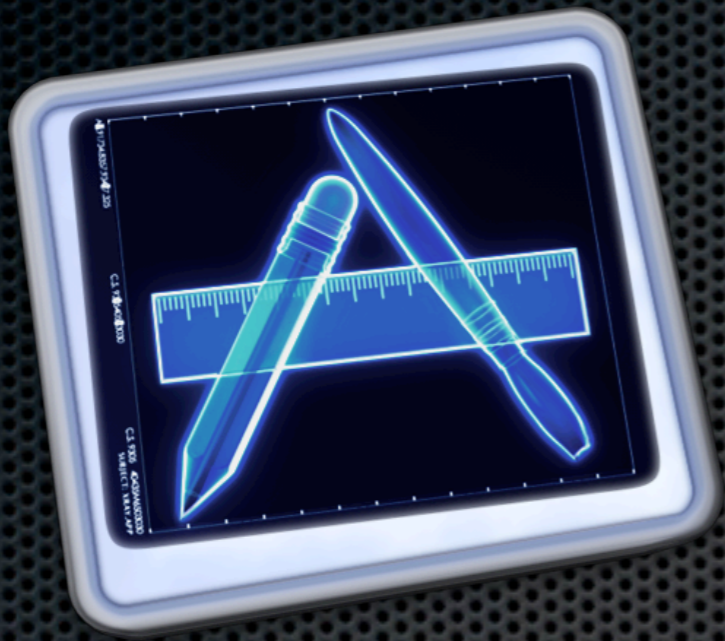
It's okay, most people are.



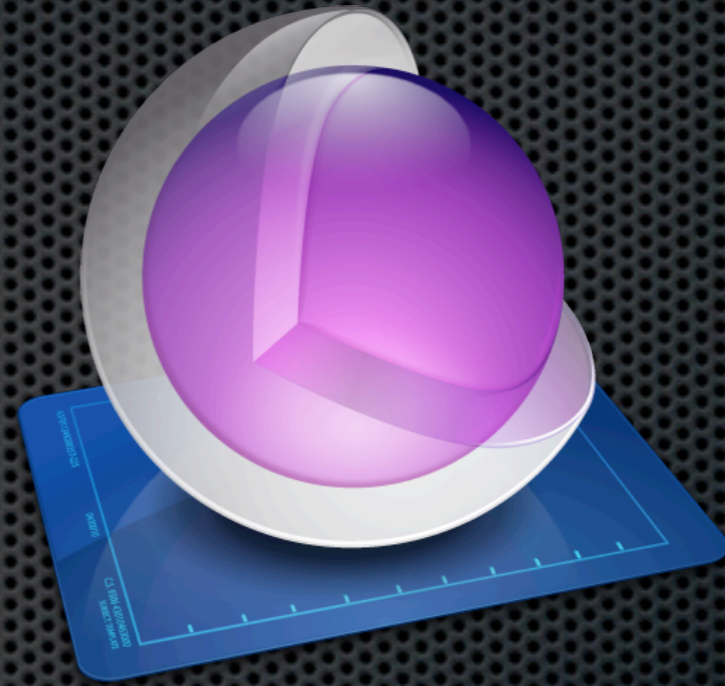
How do I fix it?

Magic and doing a rain dance





Instruments



Core Animation



Demo



# Reuse Cells

It's easy. Why not?



```
UITableViewCell *cell = [[[UITableViewCell alloc]
    initWithStyle:UITableViewCellStyleDefault
    reuseIdentifier:nil] autorelease];
```



```
static NSString *cellIdentifier = @"cell";

UITableViewCell *cell = [tableView
    dequeueReusableCellWithIdentifier:cellIdentifier];

if (cell == nil) {
    cell = [[[UITableViewCell alloc]
        initWithStyle:UITableViewCellStyleDefault
        reuseIdentifier:cellIdentifier] autorelease];
}
```



# Optimize Blending

Embrace the green





Bad



Good



```
label.backgroundColor = [UIColor whiteColor];  
label.opaque = YES;
```



# drawRect: vs Subviews

Kinda a pain, but worth it



Lorem **Ipsum**





**Lorem Ipsum**





# Stuff to Check Out

My blog: <http://samsoff.es>

My Twitter: <http://twitter.com/samsoffes>

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