

# Scrolling Like Butter

Sam Soffes

# UITableView

Everyone's doing it

# UITableView

## Scrolling Nemesis



Scribbles  
FOR MAC



Tweetie  
FOR MAC



Tweetie  
FOR IPHONE

latest entries

archive ▾

rss-feed 

search...

## 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 bzillion times faster (according to my informal tests).

<http://blog.atebits.com>

So what's good?

Double cheeseburger. Ketchup only.

1 FPS

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Choppy

>30 FPS

---

Awesome

AT&T 11:07 PM

Sources samsoffes AA

Ryan Tomayko 1m  
Late to the party.

Elliott Muñoz 2m  
A simple date would have done just fine, but if you must Base64 encode your HTML encoded output of seconds since time began, that's okay too.

Chris Vaughn 3m  
@jt send it here when you're done with it. My lawn and trees are DEAD and I can only water 2 days a week.

Jeff Davis 5m  
@withfoam those look sweet!

refresh comment search filter

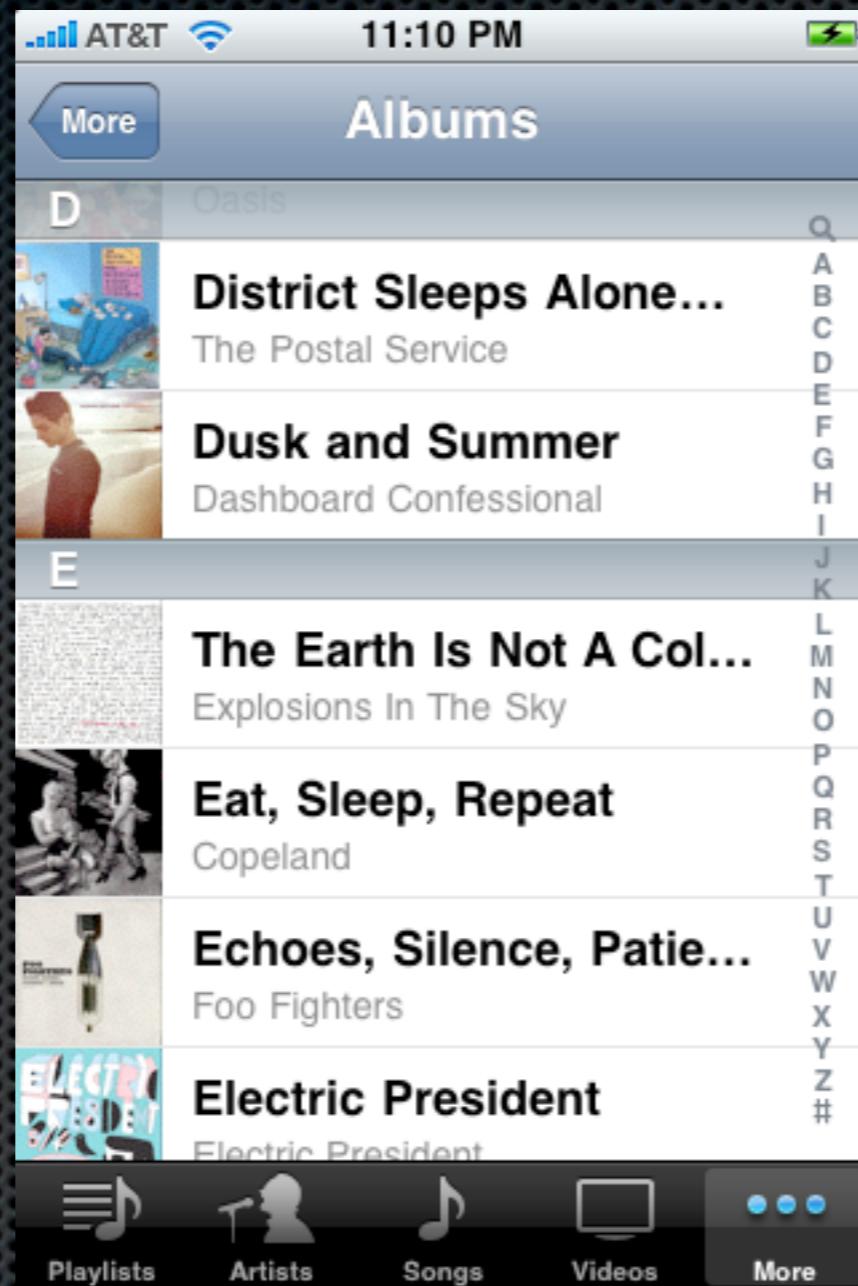
Twitterrific

The screenshot shows the Tweetie application running on an iPhone. The top status bar indicates it's 11:08 PM, connected to AT&T, with a battery level of approximately 75%. The main screen displays a feed of tweets from four different accounts:

- dotcomlarry** (Jul 16, 2009 10:58 P): Still have chili leftover if anyone wants some :)
- aestus** (Jul 16, 2009 10:57 P): @withfoam Haha, On our 1st press, I'm going to have them foil stamped with a series number. They'll be limited edition! Collect them all.
- projectokc** (Jul 16, 2009 10:55 P): Remember, you can add other non-profits / charities. They just must be based in OKC, or do work \*IN\* OKC. <http://twestivalokc.uservoice.com/>
- TechCrunch** (Jul 16, 2009 10:55 P): Yammer Completely Reworks Its Desktop Client. I Can Feel My Productivity Increasing Already <http://tcrn.ch/657> by @jasonkincaid

At the bottom of the screen, there is a navigation bar with five items: Tweets (selected), Mentions, Messages, Favorites, and More.

# Tweetie



iPod

AT&T 11:09 PM

Sign Out Favorites Edit

\$0.002 = 0.002¢  
0.002dollar =  
0.002cent  
★★★★★ 65160 views  
02:54 michelpetey

fleet foxes  
★★★★★ 145366 views  
02:58 panol1

The tale of the  
random hobo - Prag...  
★★★★★ 97768 views  
09:59 aberen

Tech Talk: Linus  
Torvalds on git  
★★★★★  
Google

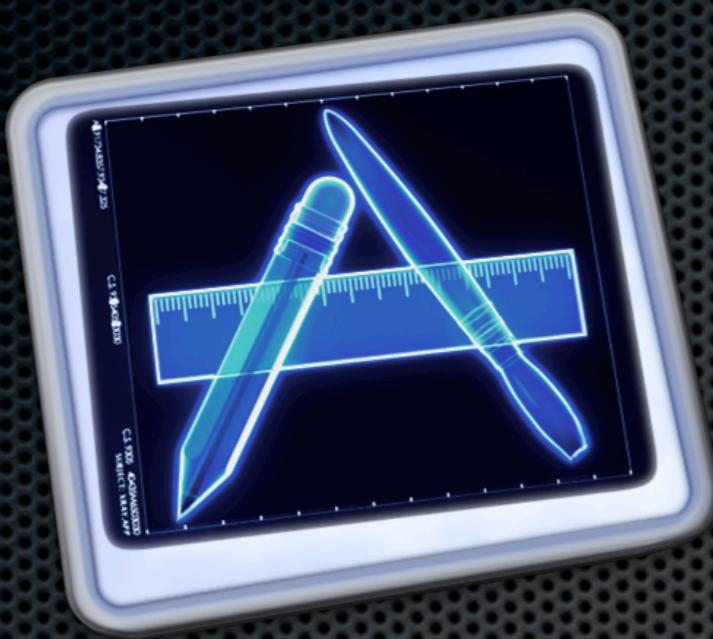
Featured Most Viewed Search Favorites More

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];
```

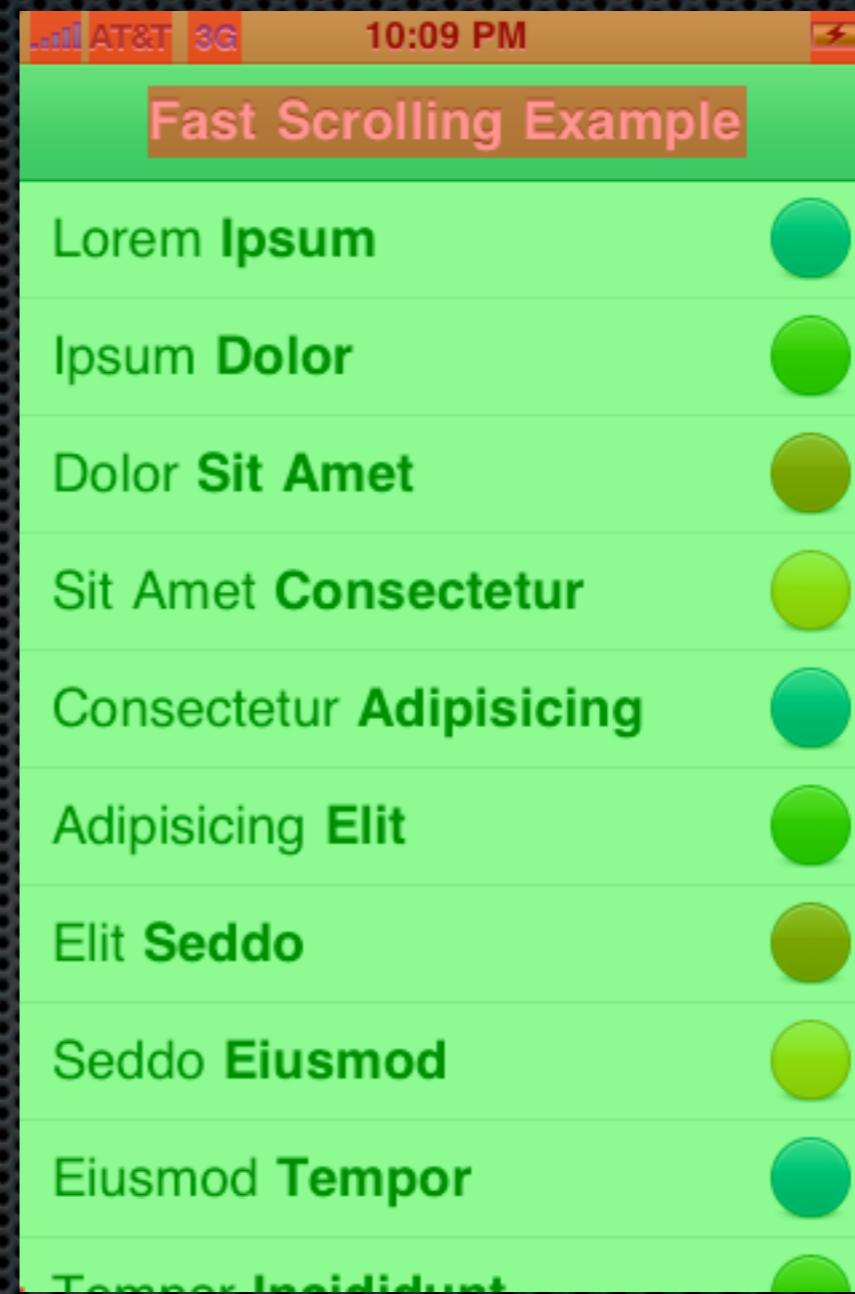
```
static NSString *cellIdentifier = @"cell";  
  
UITableViewCell *cell = [tableView  
dequeueReusableCellWithIdentifier:cellIdentifier];  
  
if (cell == nil) {  
    cell = [[[UITableViewCell alloc]  
initWithStyle:UITableViewCellStyleDefault  
reuseIdentifier:cellIdentifier] autorelease];  
}  
}
```

# Optimize Blending

Embrace the green



Bad



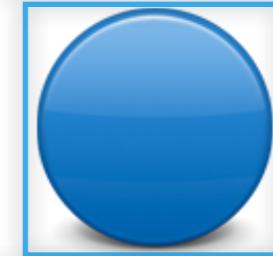
Good

```
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>

My GitHub: <http://github.com/samsoffes>

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