

I KNOW  
WHAT YOU DID  
LAST SUMMER  
2004



## 2004: the Broadband

...and tough  
By Jane Wakefield  
BBC News technology

2004 in review  
has almost done  
important £20  
that's what we

As a snapshot  
bad going. At the  
connections in  
then, demand  
that there are  
numbers growing  
cable broadband

There are two main  
prices. Of the low  
price of its 512  
doubled the speed  
hold.

**If broadband  
jet, then 2003  
seen it taxiing  
runway, firing  
and preparing  
But this year  
soar.**

**In the spring it  
the skies as Luton  
British Airways  
flights.**

<http://n>

## 1. Key statistics

### Internet access<sup>1</sup>

- 59% of UK homes have a PC
- 50% of homes (around 12.5 million) have Internet access
- 68% of small businesses have Internet access

### Broadband<sup>2</sup>

- 3.2 million broadband connections
- 1.82 million DSL connections
- 1.36 million cable modem connections<sup>3</sup>
- 12% of homes have broadband
- DSL is available to 85% of UK homes and businesses<sup>4</sup>

[https://www.ofcom.org.uk/data/assets/pdf\\_file/0010/40411/internetandbroadband.pdf](https://www.ofcom.org.uk/data/assets/pdf_file/0010/40411/internetandbroadband.pdf)

[https://www.theregister.co.uk/2004/12/23/uk-broadband\\_review/](https://www.theregister.co.uk/2004/12/23/uk-broadband_review/)

90s

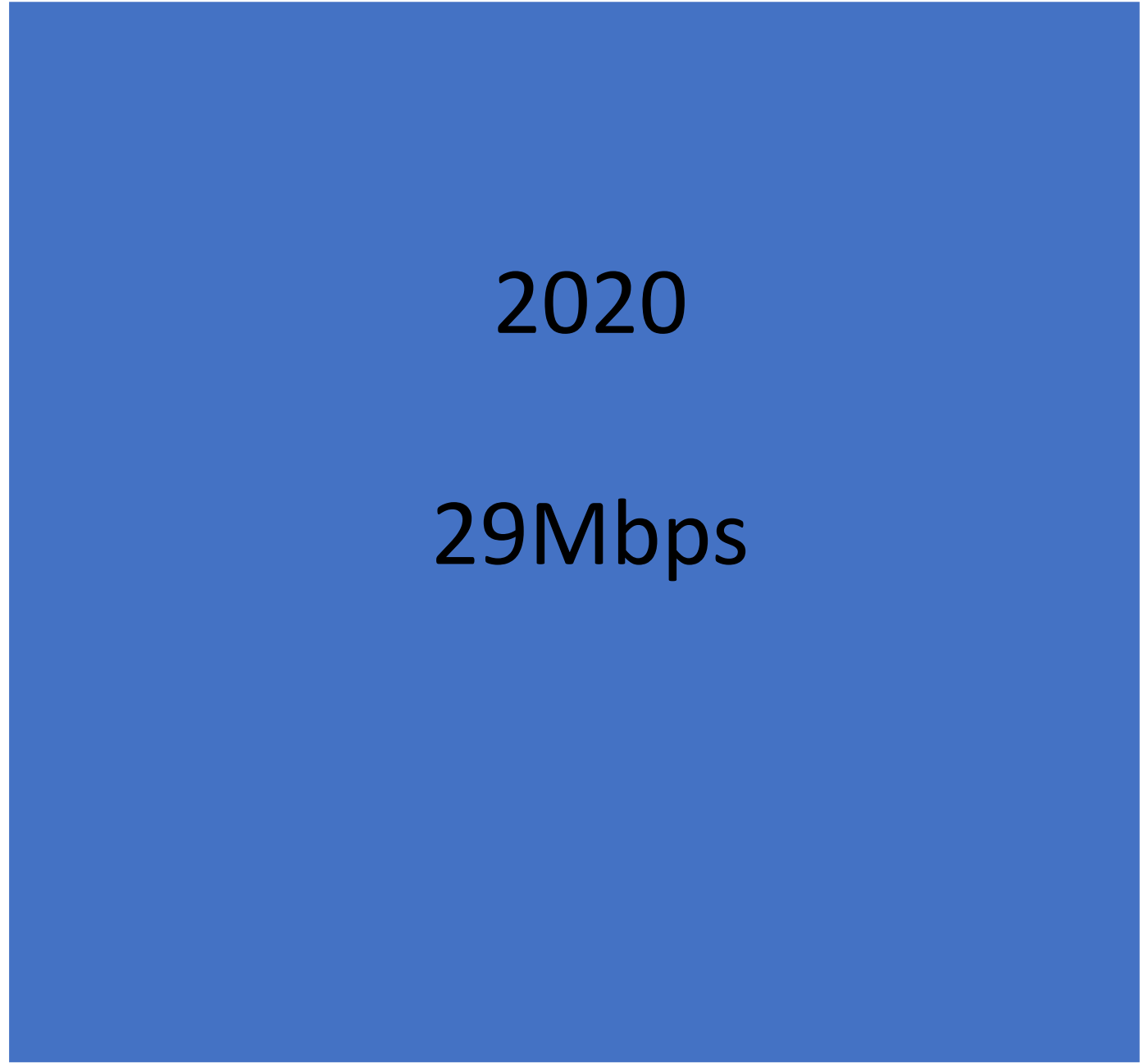
2004

2020

57Kbps

0.5Mbps

29Mbps



# Music labels sue 896 more music lovers

## Being a fan doesn't pay

By Ashlee Vance 25 Aug 2004 at 22:07

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The RIAA (Recording Industry Association of America) has lobbed a fresh round of lawsuits at music fans. The music label mob announced today that it has sued another 896 file-swappers - an apparent retaliation against an appeals court ruling confirming P2P networks as legal.

The latest lawsuits were aimed at 744 fresh P2P users and 152 users who had already been sued and then declined to settle their cases with the RIAA out of court. The pigopolists have now managed to sue close to 4,000 people for trading music online. The RIAA has yet to provide conclusive evidence that file-trading has played any direct role in declining music sales, and a Harvard/North Carolina study found that file-trading likely has no effect at all on music revenue.

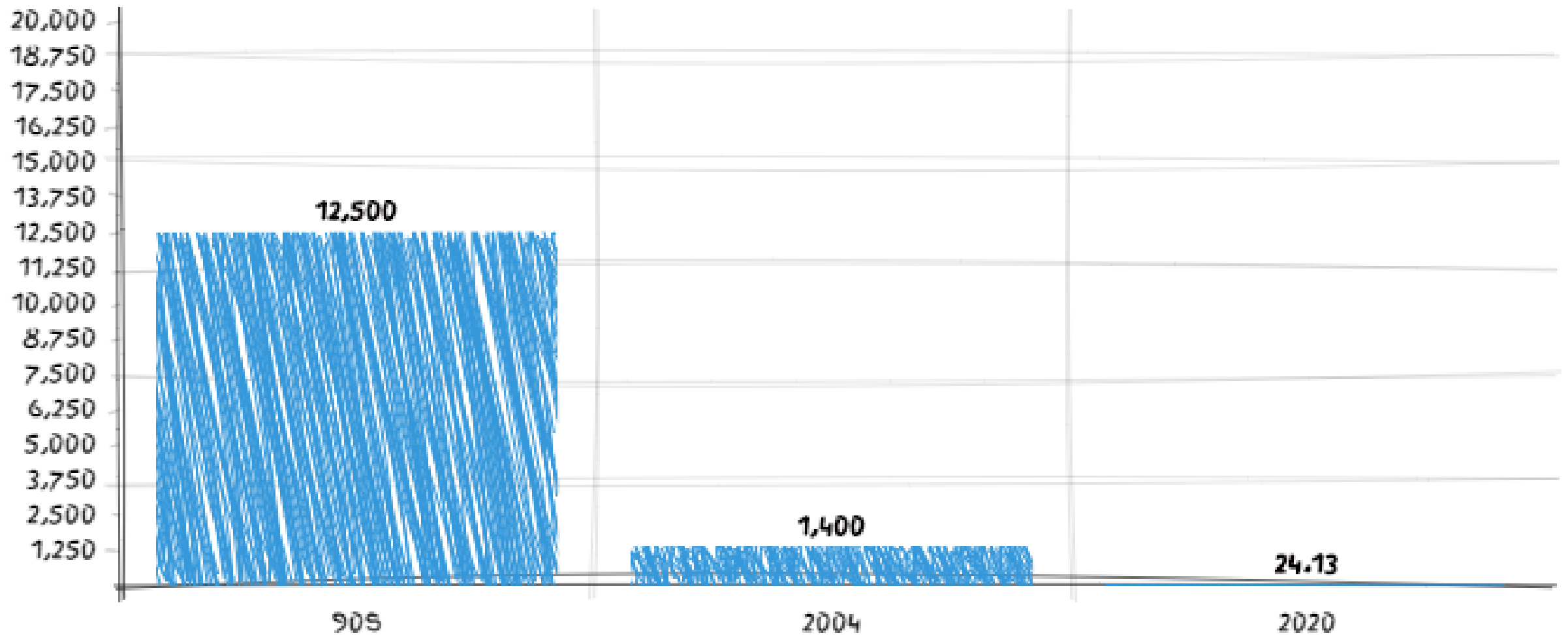
[https://www.theregister.co.uk/2004/08/25/riaa\\_sues\\_896\\_more/](https://www.theregister.co.uk/2004/08/25/riaa_sues_896_more/)

0.12

2020

# DVD Download

(minutes)

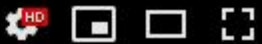






vevo

0:05 / 3:32







# 2004 and piracy

- Broadband gets 'good'
- Video compression gets good
- Writable CDROMs are common on computers
  - Infinite storage for all the copied movies
- P2p file transfers explodes
  - Before the likes of napster, bittorrent etc you had to know about IRC and DC++

# Overzealous MPAA mistakenly targets Linux Australia

Cease-and-desist foul-ups by the MPAA: demanding that Linux Australia remove a ...

ERIC BANGEMAN - 9/20/2004, 9:19 PM



One of the weapons in the MPAA's arsenal in its battle against file sharing has been the cease-and-desist letter. Individuals suspected of hosting or providing access to copyrighted material are sent notices of infringement, demanding that the offending files be removed. One of the more recent notices **may land** the MPAA on the wrong side of a lawsuit. The notice sent to Linux Australia follows another **erroneous demand** issued to scene.org, where a handful of files smaller than 65KB were somehow mistaken for season one of the TV show *Alias*.

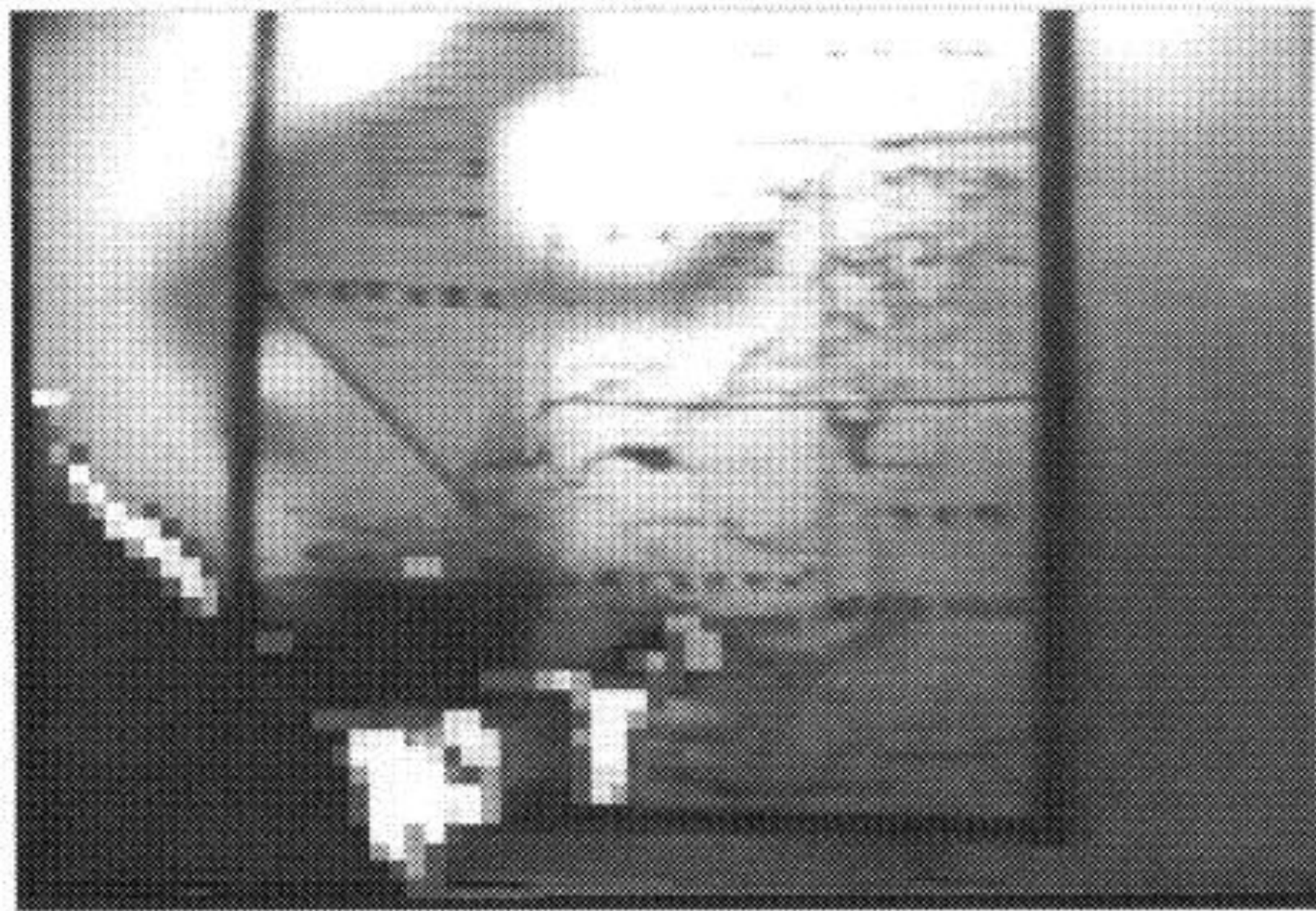
Linux Australia received a cease-and-desist notice from the MPAA, demanding that it stop hosting and providing access to two movies: *Grind* and *Twister*. It turns out that files the MPAA was concerned with were actually *Twisted*, a framework written in Python, and *Valgrind*, a memory management developer tool. Obviously, the MPAA has no connection ? legal or otherwise ? to either of the files, and the order demonstrates the flawed means by which they are attempting to erase the scourge of pirated copyrighted materials from the Internet.

“

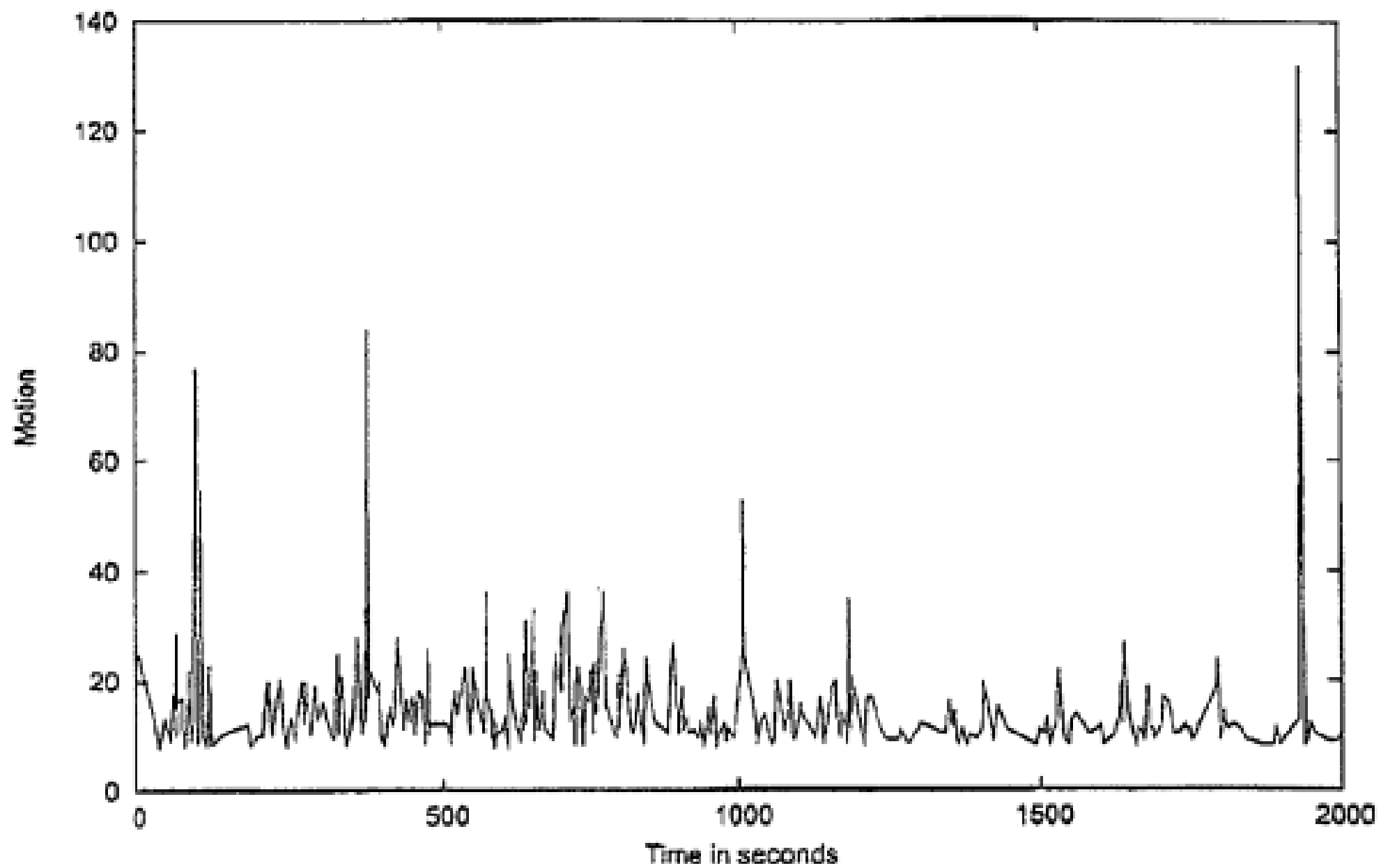
"We realised that the MPAA must be doing blind keyword matching against Internet content, and then sending out automatic take-down notices with no real research or double checks," [Linux Australia President Pia] Smith said.

# Identifying video

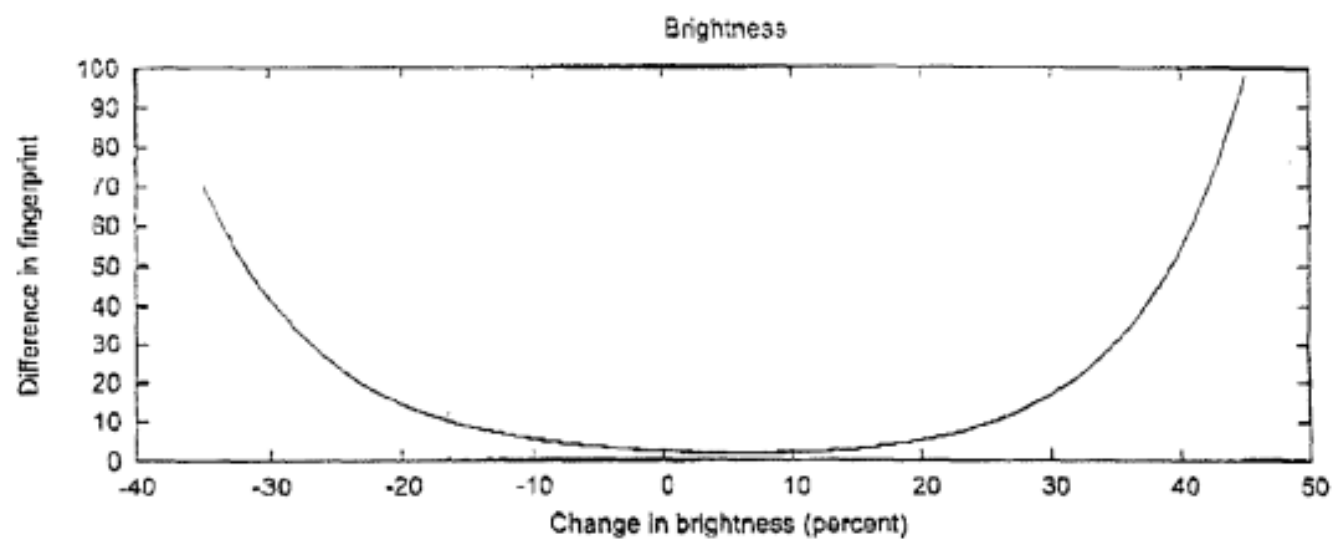
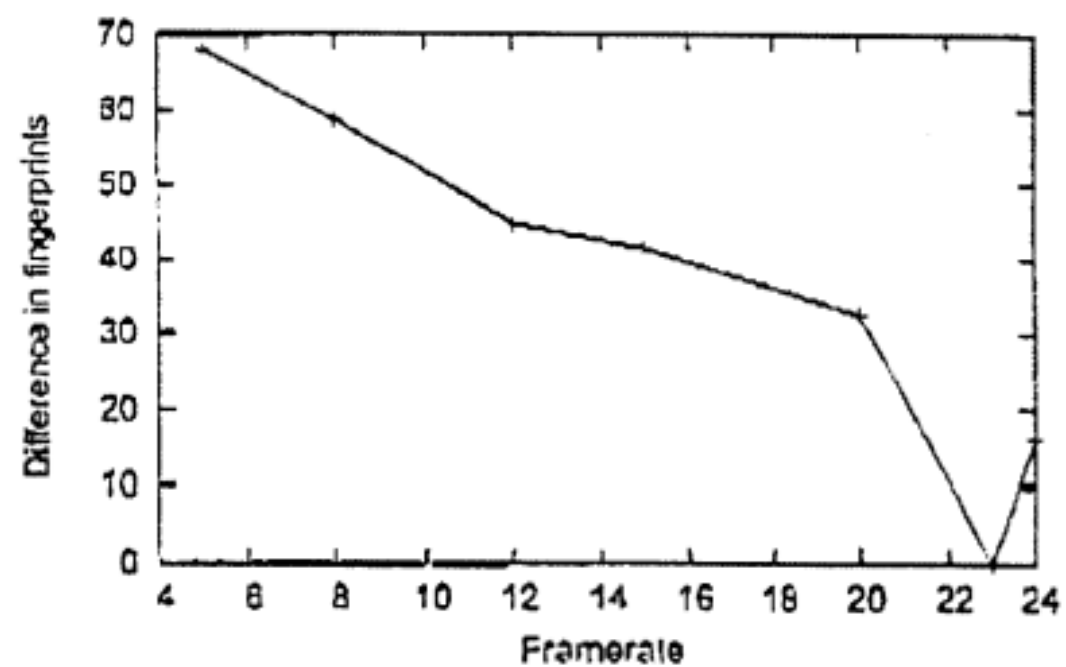
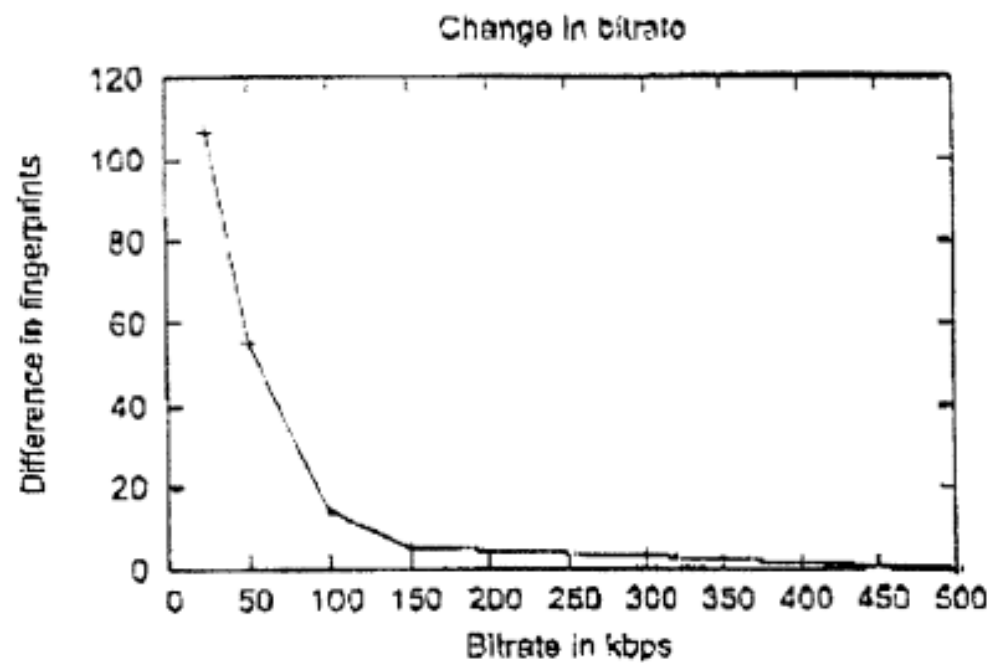
- Can't use filenames
- Can't use file size
- Can't use metadata
  - Any embedded data
- Have to use things that are important for video



Hoover Dam Construction







# Questions

Martin Bateman  
@martinbateman