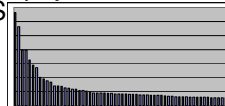


Problem: Text Query to Image Grid

Queries: e.g. a 35 day log

- **Most frequent:** 200k/794k
- **Median:** 2 occurrences
- **Popular queries:** lindsay lohan, scarlett johansson, angelina jolie, sex, jessica simpson, kate beckinsale, paris hilton, britney spears, shakira, sexy, jessica alba, jennifer lopez
 - Around 60 of the top 100 queries are adult or celebrity
- **Random queries:** bridge, rodolfo font, playboy, douwe egberts, jesus, tanning, beauty, oakenfold, priyanka chopra, ACTORS



Results: Image thumbnail grid



Image Search Live

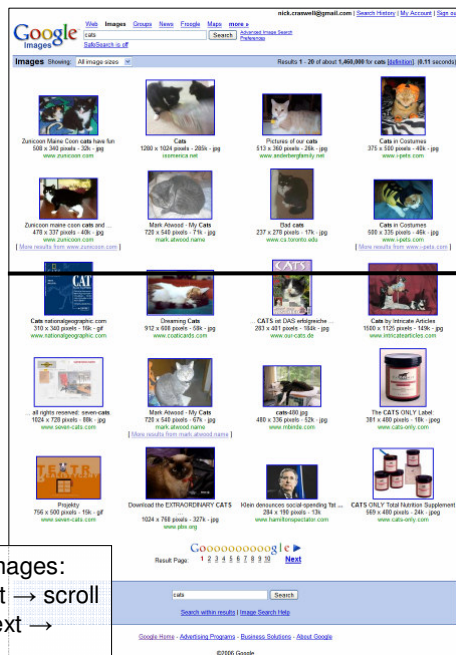
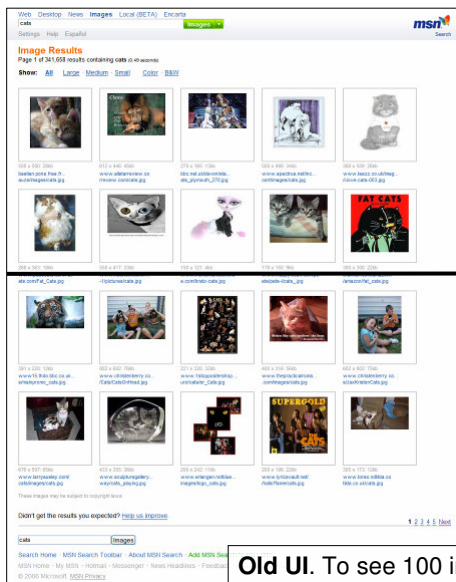
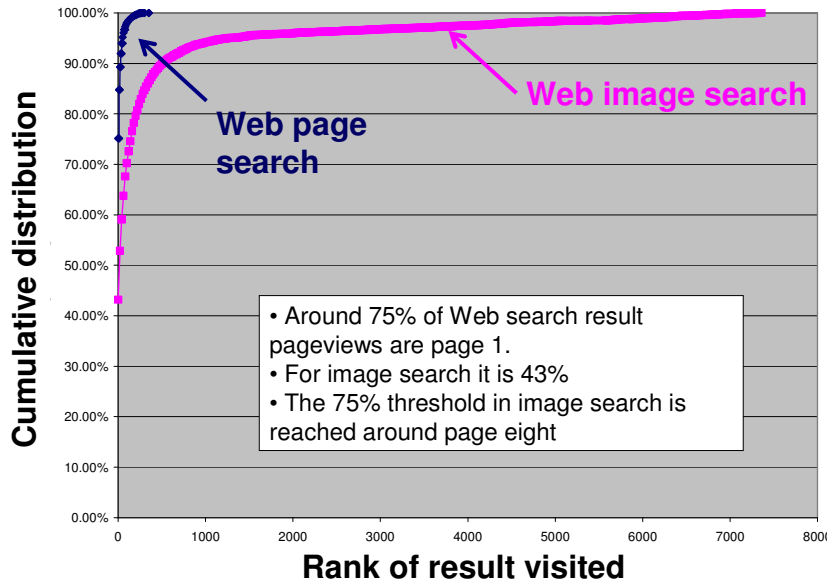
I'm responsible for the ranking: 200 parameters, tuned via gradient descent (RankNet)

- Features (nearby text, basic image features, misc)

This talk:

- A. The user interface
- B. Visualising the click graph
- C. The importance of crawl quality

A: The User Interface



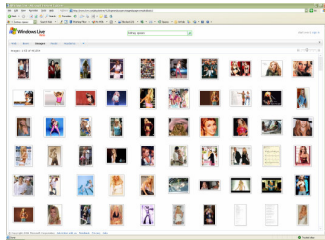
Old UI. To see 100 images:
 query → scroll → next → scroll
 → next → scroll → next →
 scroll → next

“Infinite scroll”

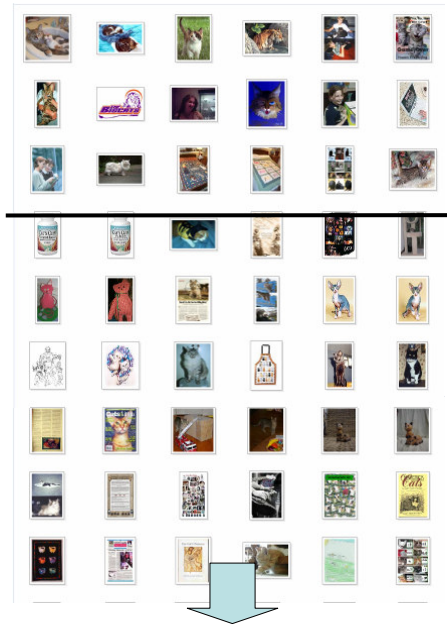
- Just: scroll

Resizable thumbnails

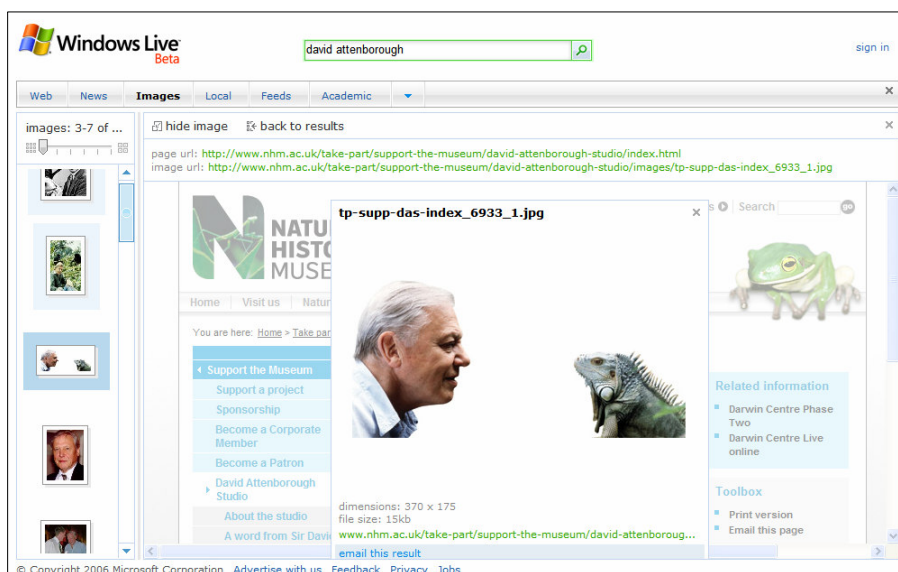
- Just: zoom



Metadata hiding



Filmstrip View and “Show Image”



Web News **Images** Local Feeds Academic

images: 1-18 of 16,106

© Copyright 2006 Microsoft Corporation Advertise with us Feedback Privacy Jobs

Windows Live
Beta

Web News **Feeds** Academic

Were you looking for **image search live**

"image search" "live.com" 1-8 (553) + add to live.com

live.com blog

Image search - search for images right on **live.com** and enjoy a little slide show of your images powered by the hot new Windows Live search spaces.msn.com/livecom/feed.rss add feed to live.com

On the Live Community

So as you can see Windows Live **Image Search** Beta definitely has some cool features to show of and well ... Live Messenger; Search Team; Live Mail; Live OneCare Team; Live Expo Team; MSN Spaces Official Blog; **live.com** ... spaces.msn.com/livecommunity/feed.rss add feed to live.com

Brandon Live!

... scrolling (no paging!), adjustable detail level, Search-within-site, and the best **image search** ever. Onfolio acquisition and beta of the Windows Live Toolbar! (available tomorrow) The new **live.com** ... brandonlive.com/feed add feed to live.com

Comments on: New Look, Features for Live.com

When am i going to get the **image search** feature in **live.com** , Its been a few days since it was introduced and evrybody seems to hvae me except me.It always shows that stupid "The site is temporarily ... www.techcrunch.com/2006/03/08/new-look-features-for-livecom/feed add feed to live.com

Comments on: Live.com Academic Search to Launch Tonight

L'uri "http://academic.live.com" me renvoit sur "http://www.live.com/", La France est-elle hors ... The **image search** did not do any better in showing just the images from academic sources, plenty of ... www.techcrunch.com/2006/04/11/livecom-academic-search-to-launch-tonight/feed add feed to live.com

Lifehacker: Microsoft

Better web image search: Live.com ... Geek to Live: How to format your hard drive and install Windows XP from soratos www.lifehacker.com/software/microsoft/atom.xml add feed to live.com

Lifehacker: Microsoft

... and never-ending scrolling (no more paging through results!). Search for an image via **live.com** (try this search for Bjork photos) and use the slider at the top... Better web **image search: Live.com** www.lifehacker.com/software/microsoft/index.xml add feed to live.com

Cool Client Stuff: Search

... Gadget is really cool - it lets you search for images from right within your **live.com** homepage. (To try it out, just navigate to 'add stuff' -> Windows Live -> **Image Search** -> 'add' from the **live.com** ... blogs.msdn.com/rprabhu/rss.aspx?CategoryID=12453 add feed to live.com

Google
Blog Search BETA

"image search" "live.com" Advanced Blog Preferences

Search Blogs Search the Web

Blog Search

live.com image search

5 hours ago by Tricky
I've been playing around with the **live.com** beta's **image search**. I use the google **image search** untold, so was excited to see a 'webtop' search in action. First impressions - very nice. Tricky Business - http://trickybusiness.blogspot.com

I'm "loving" the new live.com images search

18 hours ago
live.com has a new **image search** which does progressive showing of images, scaling of the group and individual photos in very cool ways, but the killer feature is when you surf to the page from whence the image comes, the image is shown ... Marquee de Salls - Chris's insight outlet - http://www.sallsbrothers.com/ - References

May is Yahoo Month For My Computers

30 Apr 2006
I dug into MSN and **live.com** to try to switch from several of my web-only apps. ... I had some positive experiences - I did two presentations where I used Live **Image Search** as my primary search for content and was pretty satisfied. ... Feid Thoughts - http://www.feid.com/blog/ - References
[More results from Feid Thoughts]

Windows Live Image Search

9 Mar 2006 by Nathan Weinberg
Yet another Windows Live service rolled out today is Windows Live **Image Search**, which was one of the most impressive things I saw at Search Champs. You can't get it at search **live.com**, but it works just fine if you sign into **live.com** ... msdn.microsoft.com/microsoft/blogs/newscentral.com - References
[More results from msdn.microsoft]

Live.com launches a new AJAX image search application

8 Mar 2006
A major update was launched today on **live.com**. A big change is the addition of an AJAX-based **image search** interface. go to http://live.com and search for stuff. There are other changes, such as integration of Live Local, a bunch of new ... Mana's Blog - http://spaces.msn.com/manadesign/

Live.com Upgrade - New Pages and Gadgets, plus Integrated Windows ...

8 Mar 2006
Image search - search for images right on **live.com** and enjoy a little slide show of your images powered by the hot new Windows Live search, Windows Live gallery - view all windows live services and add their gadgets if there is one ... ReadWriteWeb - http://www.readriteweb.com/ - References

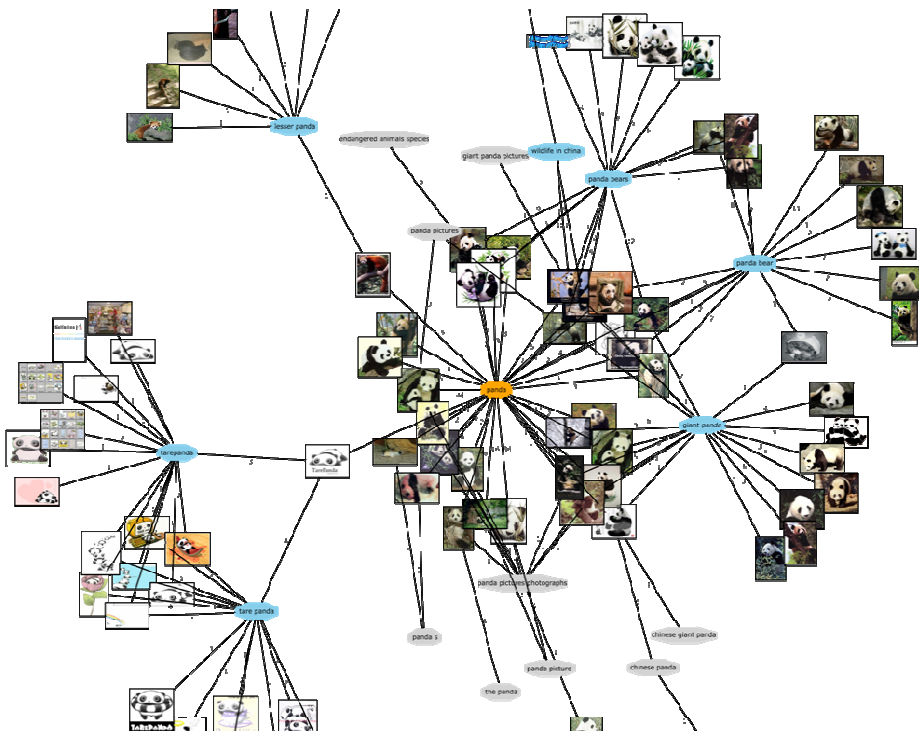
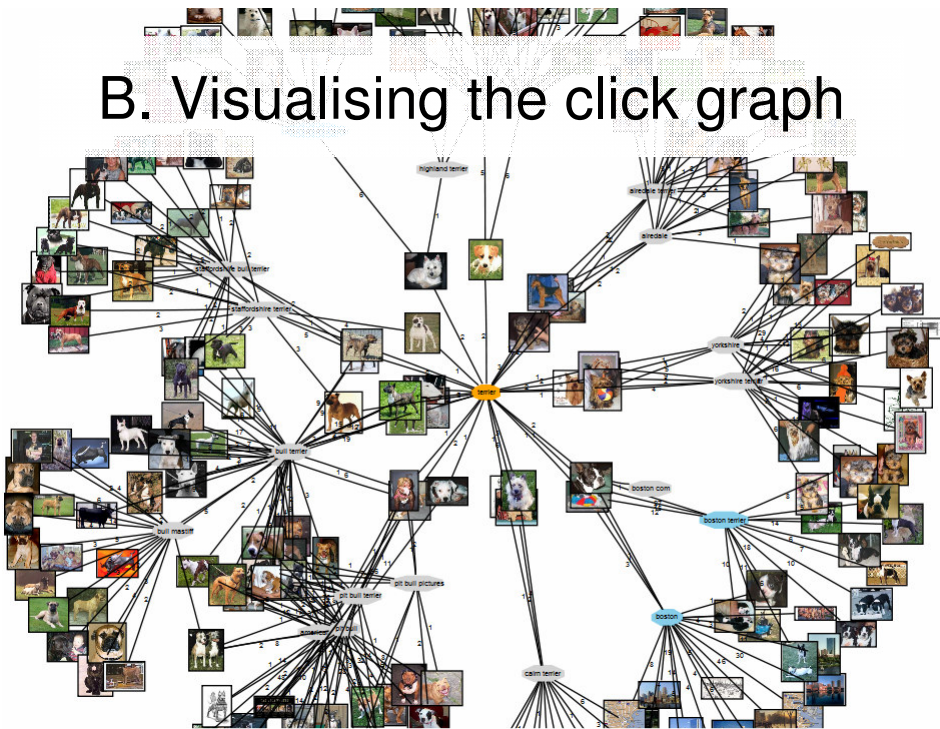
Waiting for Live.com Image search

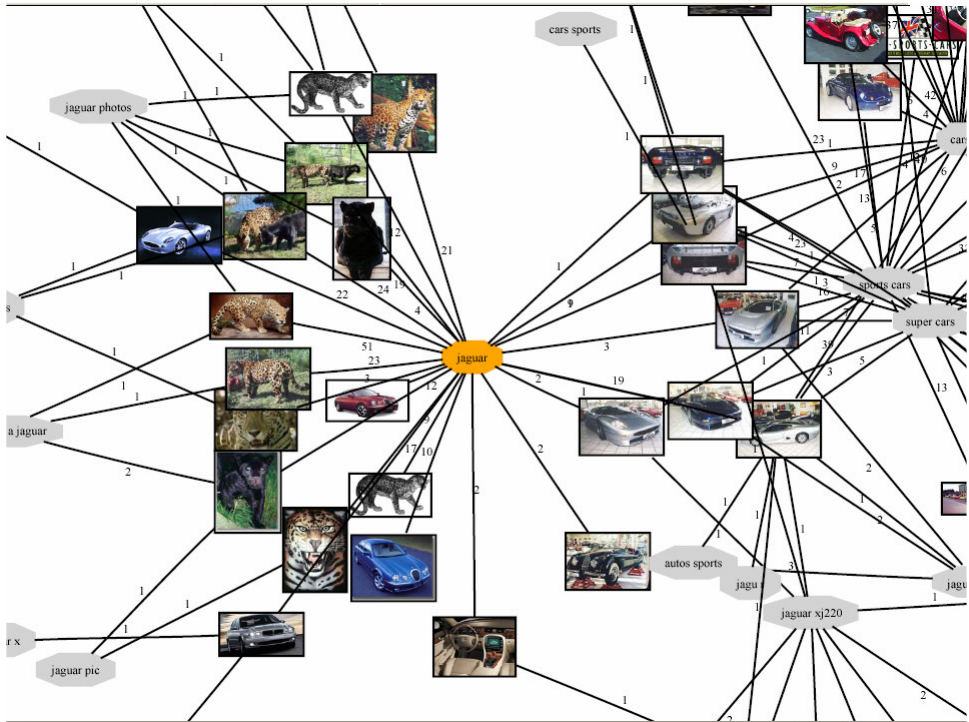
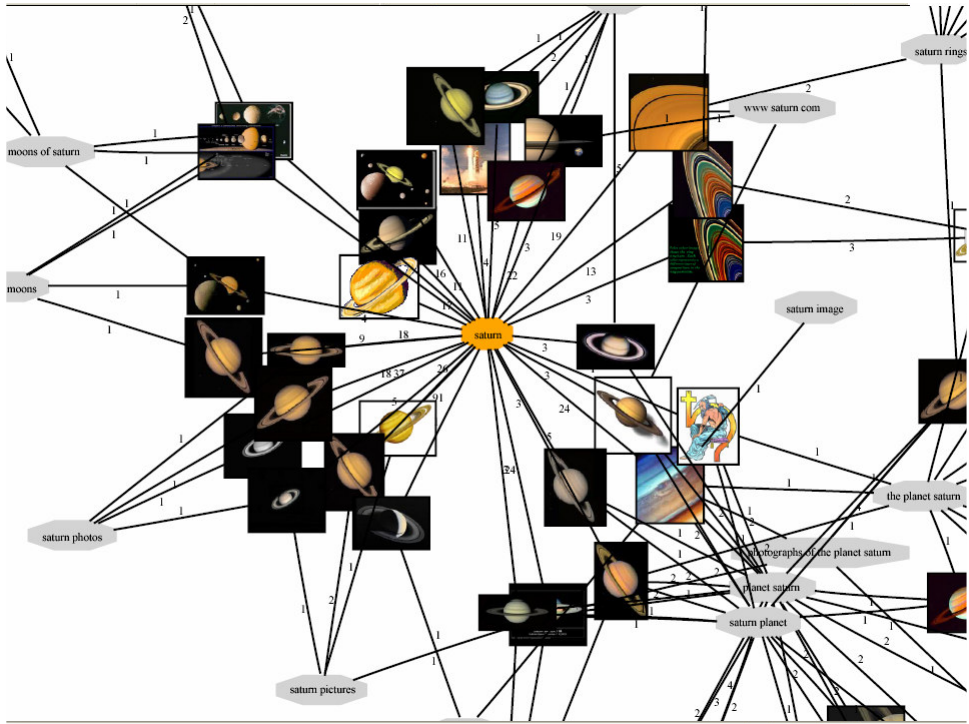
11 Mar 2006 by sried
When am i going to get the **image search** feature in **live.com** . Its been a few days since it was introduced and everybody seems to have it except me.It always shows that stupid "The site is temporarily unavailable ... Sn.Red - http://sried.wordpress.com

Live.com Image Search

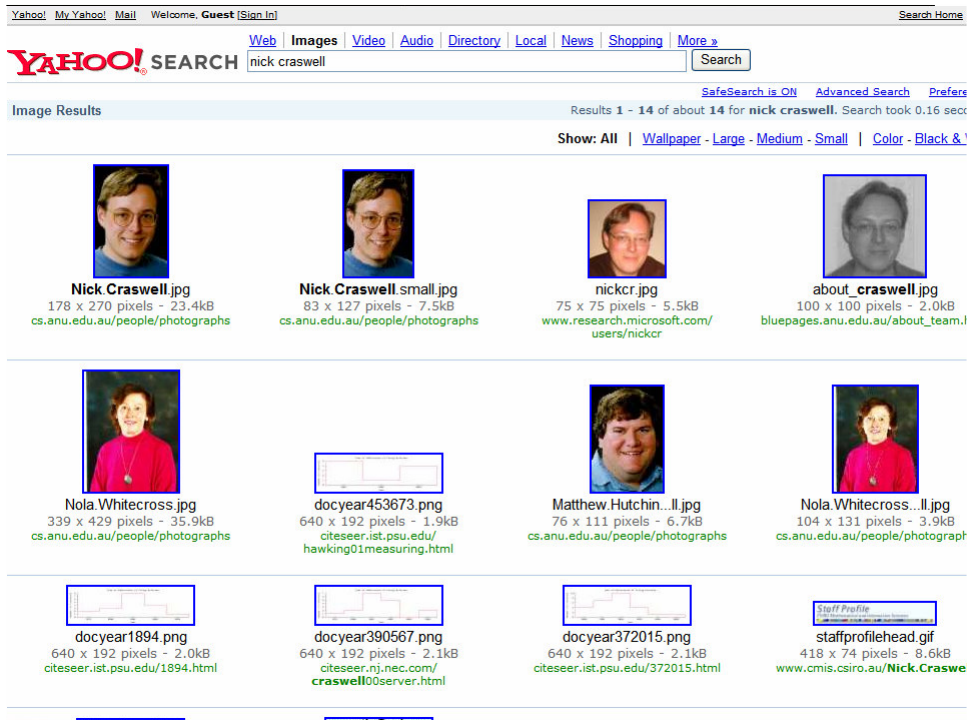
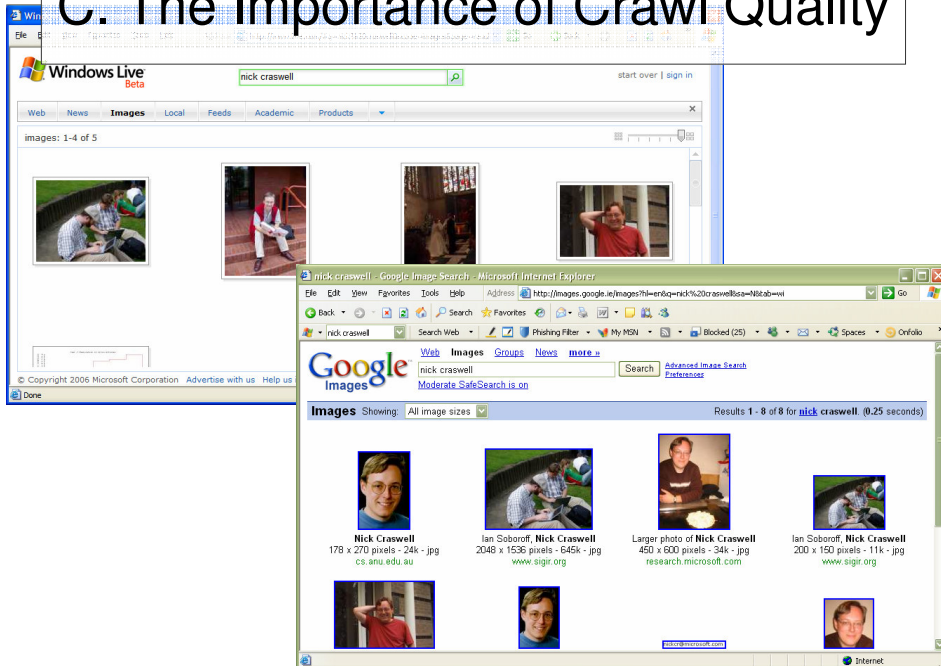
12 Mar 2006 by chucker@mystifans.com (Sören Nils 'chucker')
flowstate points out that Windows Live **Image Search** has made some great improvements, including providing a slider for continuous thumbnail rearing (and offering a larger thumbnail thumb boxes), a scrollbar instead of pages for

B. Visualising the click graph





C. The Importance of Crawl Quality



Normalised Discounted Cumulative Gain (NDCG)

Gain [green day]

- 2 points



- 1 point



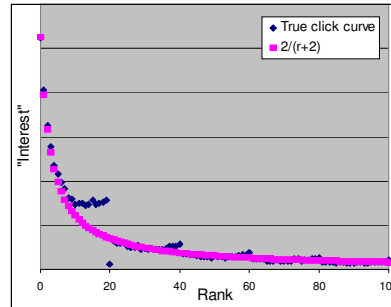
- 0 points



- 0 points



Discount

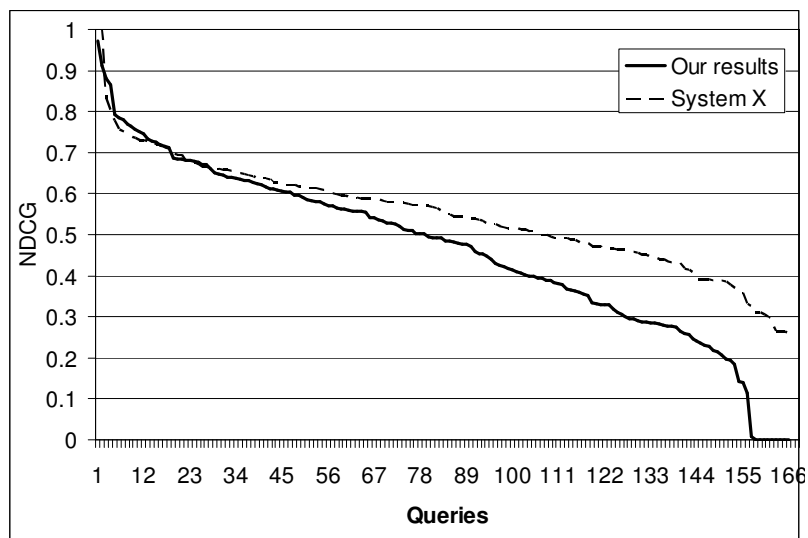


Cumulative over ranks

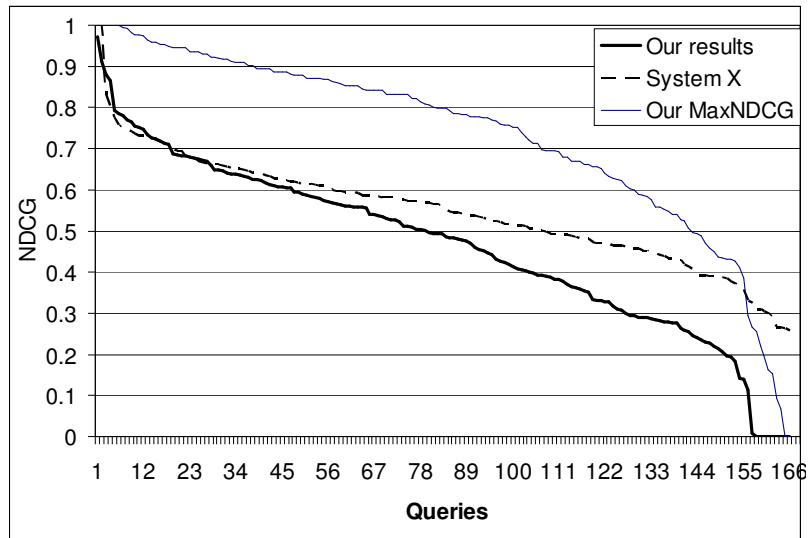
$$DCG = \sum_r G_r \cdot D_r$$

Normalise according to max possible DCG

NDCG distributions of two systems



What if we had perfect ranking?



Summary

- Interesting UI, motivated by click logs
- Click graph gives an indication of overall user needs
- Crawl quality is important

<http://images.live.com>