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Can't Find Your 404s?

Martin Klein
Old Dominion University

Frank McCown
Old Dominion University

Joan Smith
Old Dominion University

Michael L. Nelson
Old Dominion University, mnelson@odu.edu

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Can't Find Your 404s?

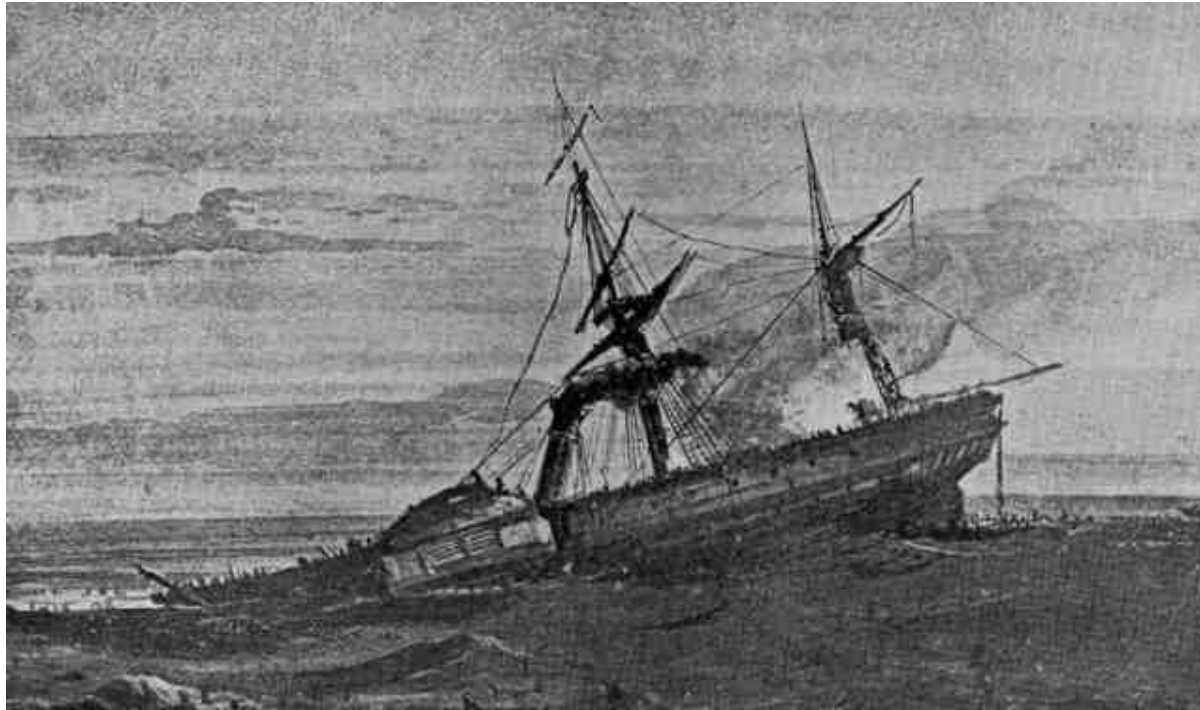
Santa Fe Complex
March 13, 2009

Martin Klein, Frank McCown,
Joan Smith, Michael L. Nelson
Department of Computer Science
Old Dominion University
Norfolk VA

Background

- “We can’t save everything!”
 - if not “everything”, then how much?
 - what does “save” mean?

“Women and Children First”



HMS Birkenhead, Cape Danger, 1852

638 passengers 193 survivors all 7 women & 13 children survived

The unanimous Declaration of the thirteen united States of America,

When in the Course of human events, it becomes necessary for one People to dissolve the political bands which have connected them with another, and to assume among the Powers of the earth, the separate and equal station to which the Laws of Nature and of Nature's God entitle them, a decent respect to the opinions of mankind requires that they should declare the causes which impel them to the separation. — We find these truths to be self-evident, that all men are created equal, that they are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness. — That to secure these rights, Governments are instituted among Men, deriving their just powers from the consent of the governed. — That whenever any Form of Government becomes destructive of these ends, it is the Right of the People to alter or to abolish it, and to institute new Government, laying its foundation on such principles and organizing its powers in such form, as to them shall seem most likely to effect their Safety and Happiness. Prudence, indeed, will dictate that Governments long established should not be changed for light and transient causes; and accordingly all experience hath shewn, that mankind are more disposed to suffer, while evils are sufferable, than to right themselves by abolishing the forms to which they are accustomed. — But when a long train of abuses and usurpations, pursuing invariably the same Object evinces a design to reduce them under absolute Despotism, it is their right, it is their duty, to throw off such Government, and to provide new Guards for their future security. — Such has been the patient sufferance of these Colonies; and such is now the necessity which constrains them to alter their former Systems of Government. The history of the present King of Great Britain is a history of repeated injuries and usurpations, all having in direct object the establishment of an absolute Tyranny over these States. To prove this, let facts be submitted to a candid world. — He has refused his assent to Laws, the most wholesome and necessary for the public good. — He has forbidden his Governors to pass Laws of immediate and pressing importance, unless suspended till his assent should be obtained; and when so suspended, he has utterly neglected to attend to them. — He has refused to pass other Laws for the accommodation of large districts of People, unless those People would relinquish the right of Representation in the Legislature, a right inestimable to them and formidable to tyrants only. — He has called together legislative Bodies at places unusual, uncomfortable, and distant from the depository of their Public Records, for the sole purpose of obstructing them. — He has refused for a long time, after such Dissolutions, to cause others to be elected; whereby the Legislative Powers, incapable of Annihilation, have returned to the People at large for their exercise; and the State remaining in the mean time exposed to all the dangers of invasion from without, and convulsions within. — He has endeavoured to prevent the Population of these States; for that purpose obstructing the Trade for Naturalization of Strangers; refusing to grant Letters of Naturalization to others; and raising the conditions of new Appropriations of Lands. — He has obstructed the Administration of Justice, by refusing his assent to Laws for establishing Judiciary Powers. — He has made Judges dependent on his Will alone for the tenure of their offices, and the amount and payment of their salaries. — He has erected a multitude of New Offices, and sent hither swarms of Officers to harass our People, and eat out their substance. — He has kept among us in times of peace, Standing Armies without the Consent of our Legislature. — He has endeavored to render the Military independent of and superior to the Civil Power. — He has combined with others to subject us to a jurisdiction foreign to our Constitution, and unacknowledged by our Laws; giving his assent to their Acts of pretended Legislation: — For quartering large bodies of armed troops among us: — For protecting them, by a mock Trial, from Punishment for any Murders which they should commit on the Inhabitants of these States: — For cutting off our Trade with all parts of the world: — For imposing Taxes on us without our Consent: — For depriving us in many cases, of the benefit of Trial by Jury: — For transporting us beyond Seas to be tried for pretended offences: — For abolishing the free System of English Laws in a neighboring Province, establishing therein an Arbitrary government, and enlarging its Boundaries so as to render it at once an example and fit instrument for introducing the same absolute rule into these Colonies: — For taking away our Charters, abolishing our most valuable Laws, and altering fundamentally the Forms of our Governments: — For suspending our own Legislatures, and declaring themselves invested with powers to legislate for us in all cases whatsoever. — He has abdicated Government here, by declaring us out of his Protection and waging war against us. — He has plundered our seas, ravaged our Coasts, burnt our towns, and destroyed the lives of our People. — He is at this time transporting large Armies of foreign Mercenaries to complete the works of death, desolation and tyranny, already begun with circumstances of Cruelty & perfidy scarcely paralleled in the most barbarous ages, and totally unworthy the Head of a civilized nation. — He has constrained our fellow Citizens taken Captive on the high seas to bear Arms against their Country, to become the executioners of their friends and Brethren, or to fall themselves by their Hands. — He has excited domestic insurrections amongst us, and has endeavored to bring on the Inhabitants of our frontiers, the merciless Indian Savages, whose known rule of warfare, is an undistinguished destruction of all ages, sexes and conditions. In every stage of these Oppressions We have Petitioned for Redress in the most humble terms: Our repeated Petitions have been answered only by repeated injury. A Prince, whose character is thus marked by every act which may define a Tyrant is unfit to be the ruler of a free People. Nor have We been wanting in attention to our British Brethren. We have warned them from time to time of attempts by their Legislature to extend an unwarrantable Jurisdiction over us. We have reminded them of the circumstances of our emigration and settlement here. We have appealed to their native justice and magnanimity, and we have conjured them by the ties of our common kindred to disavow these usurpations, which would inevitably interrupt our connections and correspondence. They too have been deaf to the voice of justice and of concinnity. We must, therefore, acquiesce in the necessity, which denounces our Separation, and hold them, as we hold the rest of mankind, Enemies in War, in Peace Friends. —

We, therefore, the Representatives of the united States of America, in General Congress, Assembled, appealing to the Supreme Judge of the world for the rectitude of our intentions, do, in the Name and by Authority of the good People of these Colonies, solemnly publish and declare, That these United Colonies are, and of Right ought to be Free and Independent States; that they are absolved from all Allegiance to the British Crown, and that all political connection between them and the State of Great Britain, is and ought to be totally dissolved; and that as Free and Independent States, they have full Power to levy War, conclude Peace, contract Alliances, establish Commerce, and to do all other Acts and Things which Independent States may of right do. — And for the support of this Declaration, with a firm reliance on the protection of Divine Providence, we mutually pledge to each other our Lives, our Fortunes and our sacred Honor.

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NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

TECHNICAL NOTE 2434

A BIHARMONIC RELAXATION METHOD FOR CALCULATING
THERMAL STRESS IN COOLED IRREGULAR CYLINDERS

By Arthur G. Holms

Lewis Flight Propulsion Laboratory
Cleveland, Ohio

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What about the things that we know we don't need to keep?

You *DO* support recycling, right?



The University Record, January 24, 2000

Yugoslav phone books may be the last record of a people

By Joanne Nesbit
News and Information Services



Janet Crayne with one of the Yugoslav phone books that have been collected to help those who fled Kosovo establish residency. The project involves transferring more than 16 million entries to microfilm. Photo by Paul Jaronski, U-M Photo Services

When the call went out last summer, Yugoslav phone books began arriving at the University from around the world. The telephone books from 1968 to 1995 contained what might be the only records available to document residency for the close to one million people forced to evacuate Kosovo.

Most of the government archives in Kosovo have been burned, and personal documentation was stripped from refugees prior to their crossing the Kosovo borders to other countries. The major library holdings in Bosnia, including the collections in the National and University Library and the Oriental Institute, were destroyed by Serb Nationalist artillery during the siege of Sarajevo. The Sarajevans were forced to burn the few surviving books for fuel during the winters. And the last Yugoslav census did not provide reliable and/or consistent demographic information, says Janet Crayne, project coordinator at the Library's

Slavic Division.

An advisory board representing the U-M, Harvard University, the University of Montreal and University of Washington, in collaboration with microfilmer Norman Ross Inc., coordinated the collection and filming of phone books from former Yugoslav republics and their successor states Bosnia and Hercegovina, Croatia, Macedonia, Yugoslavia (Serbia, Montenegro, Vojvodina and Kosovo) and Slovenia. Donations were international in scope

A higher moral calling
for pack rats?

Just Keep the Important Stuff!

The screenshot shows a web browser window with the URL http://www.valottery.com/lottosouth/last_20.asp. The page title is "Official Home of the Virginia Lottery". The main header features the Virginia Lottery logo and navigation links for "RETAILER" and "CONTACT US".

GAME INFORMATION

- Mega Millions
- Win For Life
- Cash 5
- Pick 4
- Pick 3
- Scratchers
- Lotto South
 - Last 20 Draws**
 - Past Years' Draws
 - Winning Number Search
 - How to Play
 - Game Analysis
 - Download Numbers

ABOUT THE LOTTERY

- Director's Corner
- Lottery Board
- Frequent Questions
- Job Opportunities
- Lottery Security

Game Information
LOTTO SOUTH

Home >> **Lotto South: Last 20 Draws**

View the results of the last 20 draws. To view the detailed results of a drawing, select the "Details" link to the right of the winning numbers.

You may also view a video clip of each draw by selecting your Internet access type under "Draw Video". Draw videos are provided in **Windows Media Player 9** format. To get your free copy of the Media Player, [click here](#).

LOTTO South

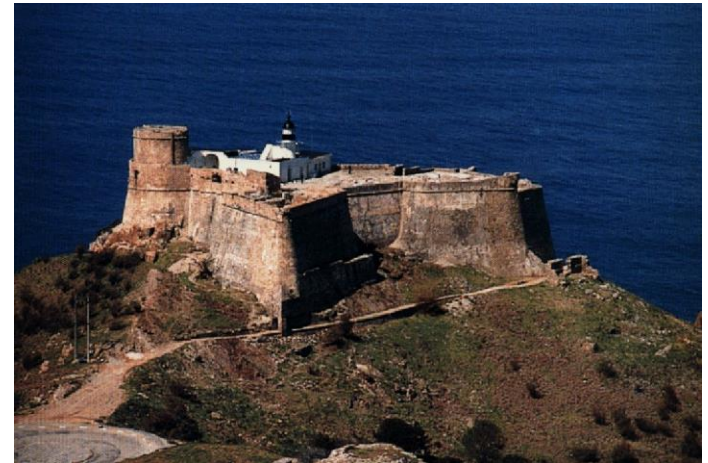
Click here to receive the winning numbers by e-mail or text message.

DATE	WINNING NUMBERS	DETAILS	DRAW VIDEO
2/25/2006	4,5,12,37,43,47	Details	Broadband Dial-Up
2/22/2006	15,23,31,33,34,41	Details	Broadband Dial-Up
2/18/2006	4,9,23,30,33,39	Details	Broadband Dial-Up
2/15/2006	4,5,12,18,19,27	Details	Broadband Dial-Up
2/11/2006	19,23,26,34,43,49	Details	Broadband Dial-Up
2/8/2006	3,6,13,18,21,35	Details	Broadband Dial-Up
2/4/2006	2,3,6,21,39,42	Details	Broadband Dial-Up

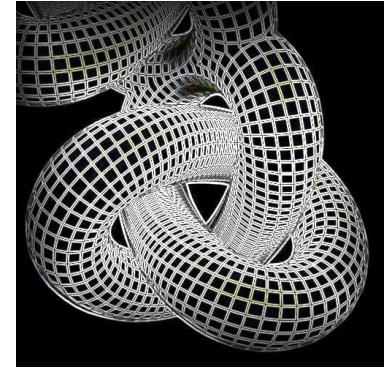
Preservation: Fortress Model

Five Easy Steps for Preservation:

1. Get a lot of \$
2. Buy a lot of disks, machines, tapes, etc.
3. Hire an army of staff
4. Load a small amount of data
5. “Look upon my archive ye Mighty, and despair!”



Alternate Models of Preservation



- Lazy Preservation
 - “How much preservation do I get if I do absolutely nothing?”
- Just-In-Time Preservation
 - Wait for it to disappear first, then a “good enough” version
- Shared Infrastructure Preservation
 - Push your content to sites that *might* preserve it
- Web Server Enhanced Preservation
 - Use Apache modules to create archival-ready resources

The Problem

- Web users experience 404 errors
 - Expected lifetime of a web page is 44 days [Kahle97]
 - 2% of web disappears every week [Fetterly03]
- Are they really gone? Or just relocated?
 - Has anybody crawled and indexed them?
 - Do Google, Yahoo, MSN or the Internet Archive have a copy of the page?
- To find new or different copies, we need to combine *information retrieval* techniques with *digital preservation*

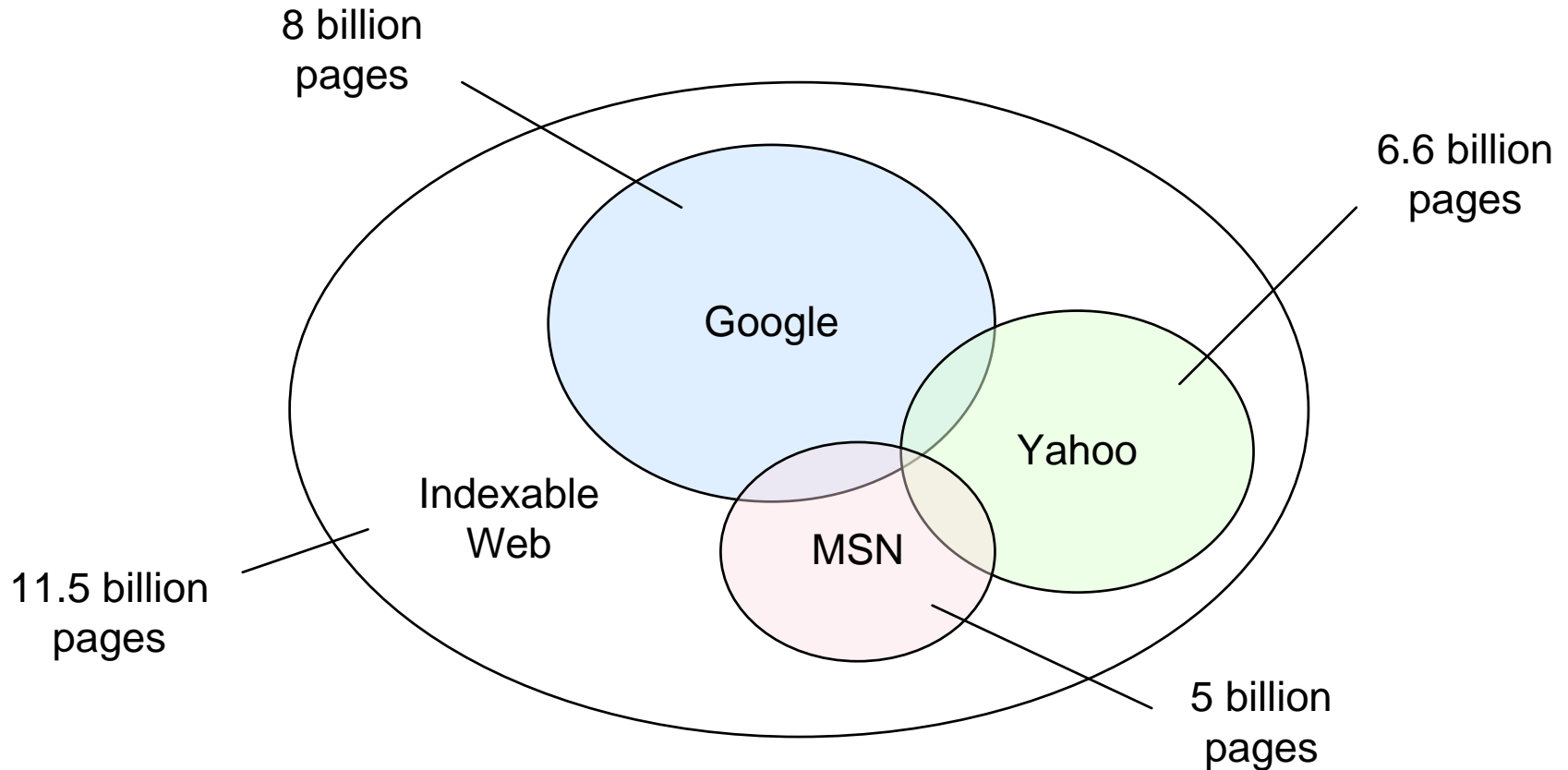
The Environment

Web Infrastructure (WI) [McCown07]

- Web search engines (Google, Yahoo, MSN Live) and their caches
- Research Projects (CiteSeer, NSDL)
- Web archives (Internet Archive)



How much of the Web is indexed?



Web Infrastructure: Refreshing & Migrating

Google Scholar: ml nelson ja kaplan

http://scholar.google.com/scholar?q=ml nelson ja kaplan

Google Scholar BETA

ml nelson ja kaplan Search

Scholar Results 1 - 10 of about 9,270 for ml nelson ja kaplan. (0.03 seconds)

12 versions found

[A comparison of queueing, cluster and distributed computing systems](#)
 JA Kaplan, ML Nelson - View as HTML - Cited by 71 - Web Search
 ... Joseph A. Kaplan (ja.kaplan@nasa.gov) Michael L. Nelson (ml.nelson@larc.nasa.gov) NASA Langley Research Center June, 1994 Abstract ...
 NASA Technical Memorandum, 1993 - techreports.larc.nasa.gov - tworoads.net - cmpharm.ucsf.edu - phi.sinica.edu.tw - all 12 versions »

[CITATION] A Comparison of Queueing
 JA Kaplan, ML Nelson - Cited by 6 - Web Search
 Cluster and Distributed Computing Systems, NASA Langley ..., 1994

Internet Archive Wayback Machine

http://web.archive.org/web/*/http://techreports.larc.nasa.gov/ltrs/PDF/tm109025.pdf

WayBackMachine

Enter Web Address: http:// All Take Me Back Adv

Searched for <http://techreports.larc.nasa.gov/ltrs/PDF/tm109025.pdf> 2 Results

* denotes when site was updated.

Search Results for Jan 01, 1996 - May 03, 2005

1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
0 pages	0 pages	1 pages	0 pages	1 pages	0 pages	0 pages	0 pages	0 pages	0 pages
		May 03, 1998 *		Sep 25, 2000 *					

Home | Help

Copyright © 2001, Internet Archive | Terms of Use | Privacy Policy

A Comparison of Queueing, Cluster and Distributed Computing Systems (1994)

Joseph A. Kaplan, Michael L. Nelson

View or download:
fsu.edu/pub/drago/dep/kaplan.ps.Z
kari.re.kr/NASA/larc/94...tm109025.ps.Z
nasa.gov/pub/techreport...tm109025.ps.Z
 Cached: [PS.gz](#) [PS](#) [PDF](#) [Image](#) [Update](#) [Help](#)

From: fsu.edu (more)
 From: kari.re.kr/ltrs/1994cit (Enter author homepages)

(Enter summary)

Abstract: Using workstations clusters for distributed computing has become popular with the proliferation of inexpensive, powerful workstations. Workstation clusters offer both a cost effective alternative to batch processing and an easy entry into parallel computing. However, a number of workstations on a network does not constitute a cluster. Cluster management software is necessary to harness the collective computing power. In this paper, we compare a variety of cluster management and queueing... (Update)

YAHOO! SEARCH

Web | Images | Video | Directory | Local | News | Product

A Comparison of Queueing, Cluster and Distributed Computing Systems - citeseer

3 versions (2 nasa.gov & 1 mpg.de)

- [A comparison of queueing, cluster and distributed computing systems](#)
 A comparison of queueing, cluster and distributed computing systems A workstation clusters for distributed computing has become popular with the proliferation of ...
ntrs.nasa.gov/archive/nasa/.../19940032425_1994032425.pdf - More from this site
- [A Comparison of Queueing, Cluster and Distributed Computing Systems, NASA TM-109025 \(Revision 1\), June 1994](#)
 Joseph A. Kaplan and Michael L. Nelson, A Comparison of Queueing, Cluster and Distributed Computing Systems, NASA TM-109025 (Revision 1), June 1994, pp. 60, (95KB PS, 143KB PDF) ... of cluster management and queueing systems: Computing in Distributed Networked ...
techreports.larc.nasa.gov/ltrs/94/tm109025.refer.html - 3k - Cached - More from this site
- [A Comparison of Queueing, Cluster and Distributed Computing Systems \(PDF\)](#)
 ... A Comparison of Queueing, Cluster and Distributed Computing Systems ... a variety of cluster management and queueing systems: Computing in Distributed Networked Environments (CODINE ...
www.mpip-mainz.mpg.de/theory/general/tm109025.pdf - 143k - View as html - More from this site

3 remote & 4 cached versions

Internet Archive Wayback Machine - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://web.archive.org/web/*/http://www.cs.odu.edu/

INTERNET ARCHIVE
WaybackMachine

Enter Web Address: All Adv. Search Compare Archive Pages

Searched for <http://www.cs.odu.edu/> 397 Results

Note some duplicates are not shown. [See all.](#)
* denotes when site was updated.

Search Results for Jan 01, 1996 - Aug 20, 2005

1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
0 pages	3 pages	3 pages	13 pages	13 pages	46 pages	16 pages	16 pages	16 pages	27 pages
Jun 06, 1997 * Oct 10, 1997 Dec 11, 1997	Dec 03, 1998 * Dec 05, 1998 Dec 12, 1998	Jan 17, 1999 * Jan 25, 1999 Feb 03, 1999 Feb 04, 1999 Feb 08, 1999	Mar 02, 2000 * Apr 08, 2000 * May 20, 2000 * Jun 17, 2000 Jun 21, 2000	Mar 02, 2000 * Apr 08, 2000 * May 20, 2000 * Jun 17, 2000 Jun 21, 2000	Jan 18, 2001 * Feb 02, 2001 Feb 03, 2001 Feb 24, 2001 Feb 26, 2001	Feb 11, 2002 * May 25, 2002 May 27, 2002 Feb 24, 2001 * Feb 26, 2001	Jan 30, 2002 * Feb 03, 2002 Feb 10, 2002 Jun 15, 2002 * Jul 27, 2002	Jan 30, 2002 * Feb 03, 2002 Feb 10, 2002 Jun 15, 2002 * Jul 27, 2002	Feb 06, 2002 * Feb 12, 2002 Mar 25, 2002 Apr 04, 2002 Apr 06, 2002

Done

info:http://www.cs.odu.edu/ - Google Search - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://www.google.com/search?hs=PIy&hl=en&lr=&client=firefox-a&rls=org

Google

Web Images Groups News Froogle Local Scholar more >

[Advanced Search](#) [Preferences](#)

Web Showing web page information for <http://www.cs.odu.edu/>

[Department Of Computer Science](#)
Norfolk, Virginia.
www.cs.odu.edu/

Google can show you the following information for this URL:

- Show [Google's cache](#) of www.cs.odu.edu/
- Find web pages that are [similar to](#) www.cs.odu.edu/
- Find web pages that [link to](#) www.cs.odu.edu/
- Find web pages [from the site](#) www.cs.odu.edu/
- Find web pages that [contain the term](#) "www.cs.odu.edu/"

MSN Search: url:http://www.cs.odu.edu/ - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://search.msn.com/results.aspx?q=url%3Ahttp%3A%2F%2Fwww.cs.odu.edu/

Web Desktop News Images Local (BETA) Encarta

+Search Builder Settings Help Español

Web Results

Page 1 of 1 results containing [url:http://www.cs.odu.edu/](http://www.cs.odu.edu/) (0.16 seconds)

[Department Of Computer Science](#)

College of Sciences College of Sciences A to Z Index | Directories Graduate Program ... Multi-Model Multi-Domain Computational Methods Digital Library Research ...

www.cs.odu.edu [Cached page](#) 8/23/2005

Didn't get the results you expected? [Help us improve.](#)

Done

Yahoo! Search Results for url:http://www.cs.odu.edu/ - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://search.yahoo.com/search?p=url%3Ahttp%3A%2F%2Fwww.cs.odu.edu/

Yahoo! My Yahoo! Mail Welcome, **mccownf** [Sign Out, My Account] Search Home Help

Web Images Video Directory Local News Shopping

YAHOO! SEARCH

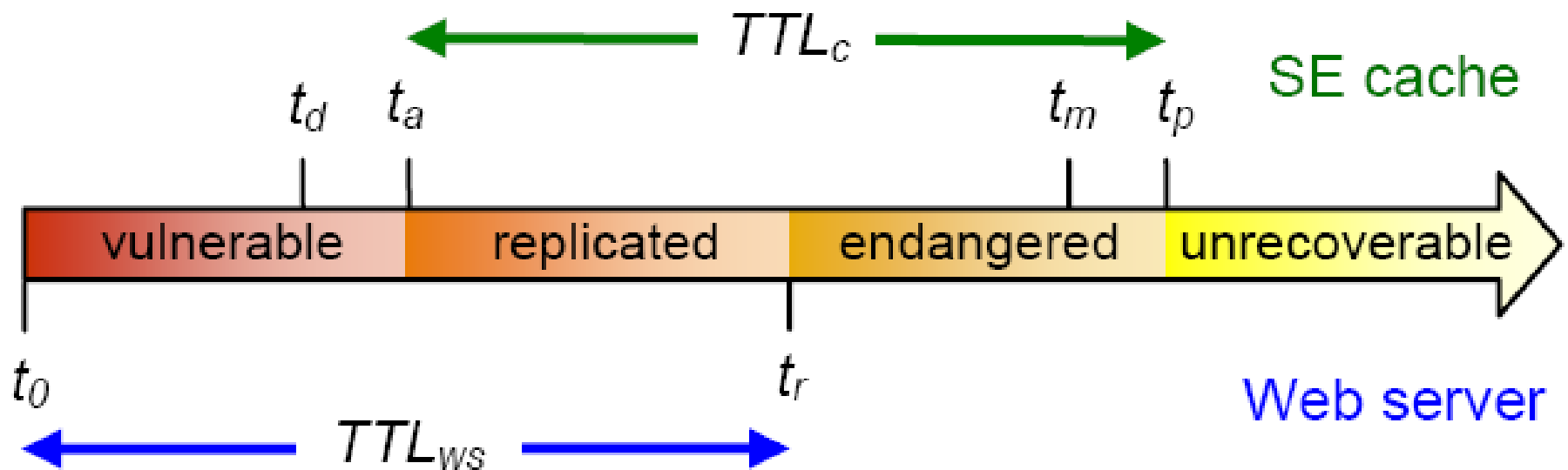
My Web BETA [Subscriptions \(New\)](#) [Shortcuts](#) [Advanced Search](#) [Preferences](#)

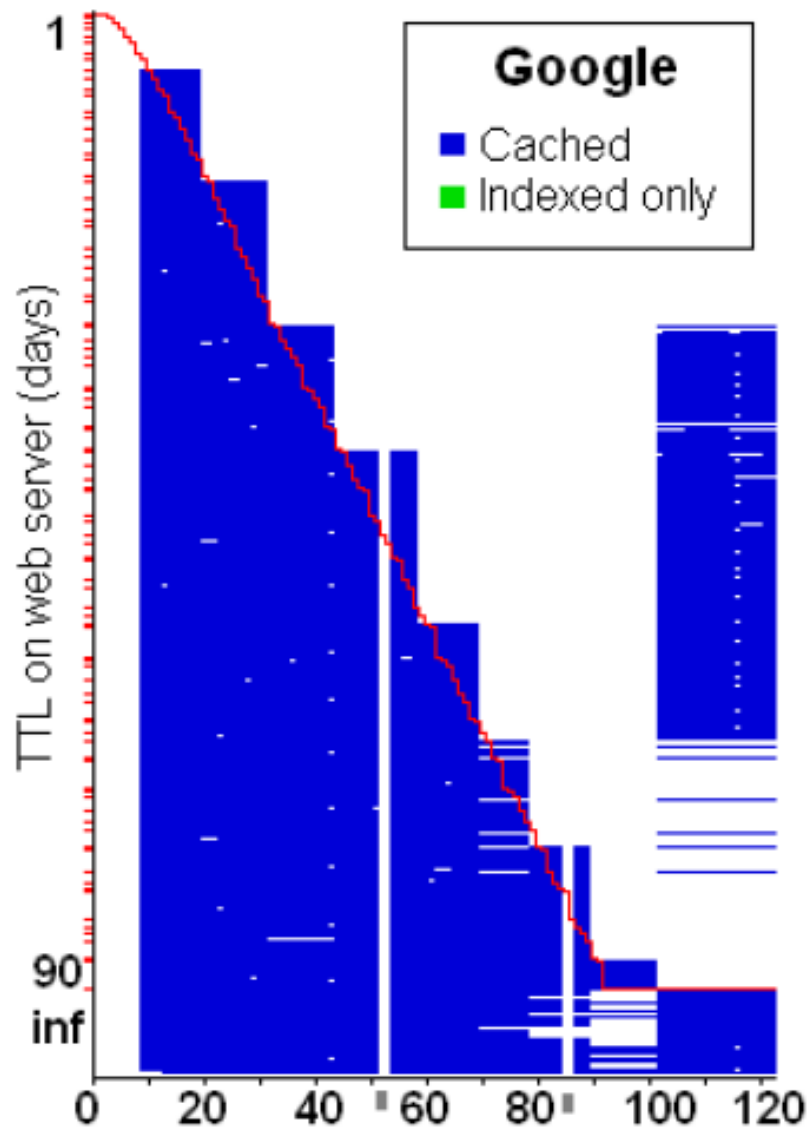
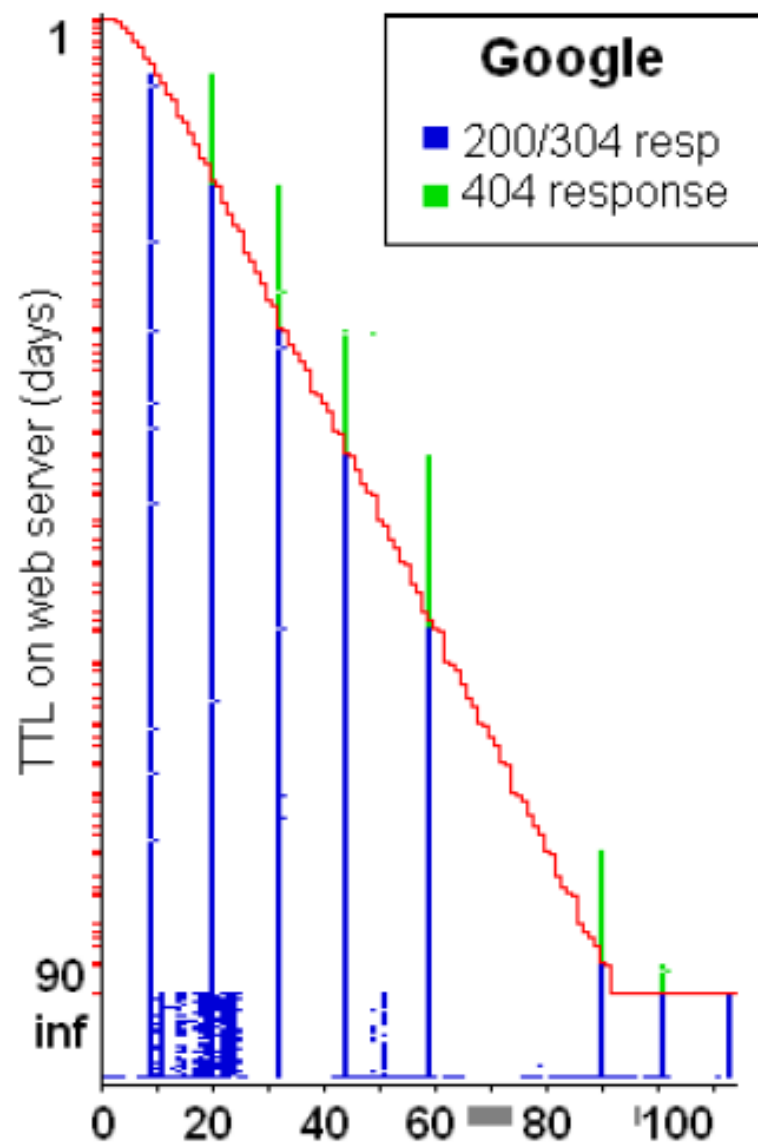
Search Results Results 1 about 1 for [url:http://www.cs.odu.edu/](http://www.cs.odu.edu/) - 0.23 sec. (About this page)

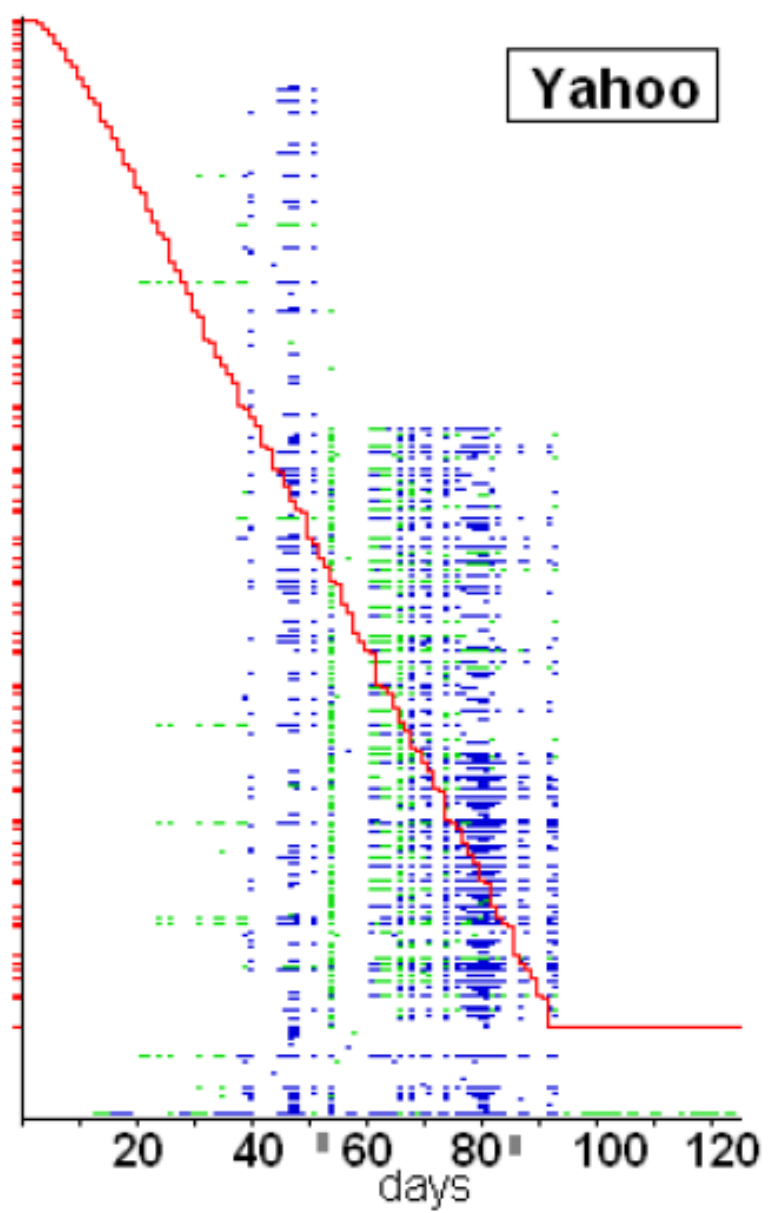
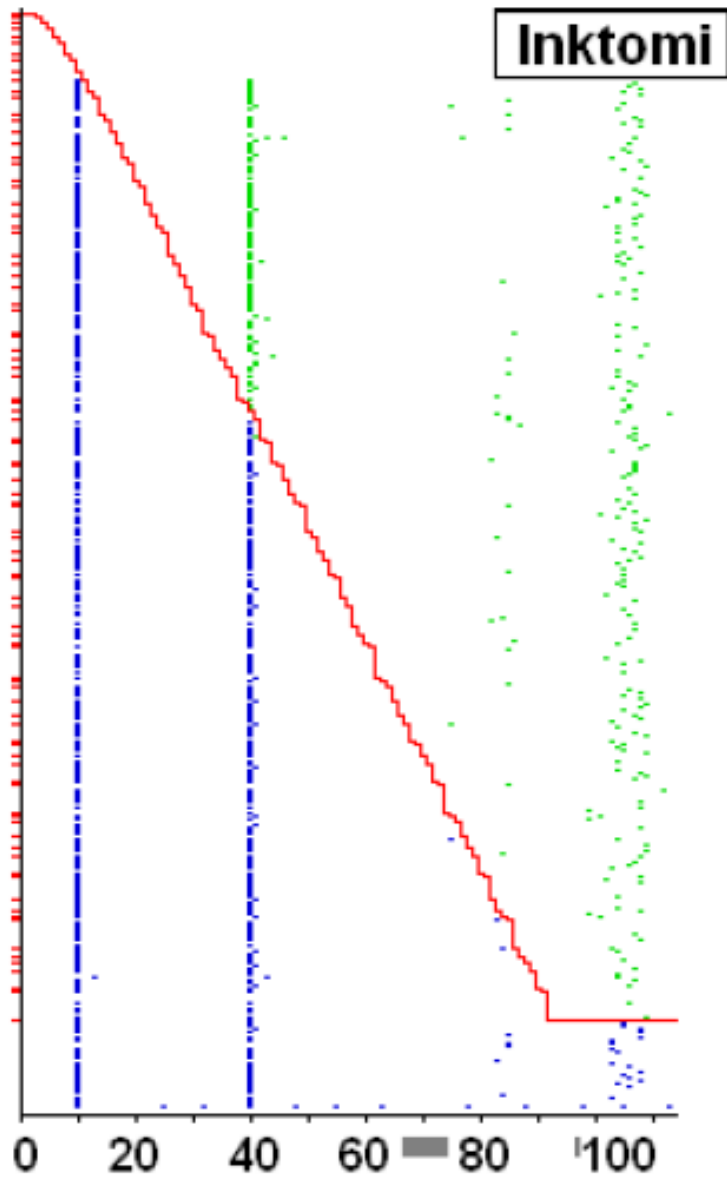
- [Department of Computer Science](#)
College of Sciences
Category: [Virginia > Norfolk](#) > [William & Mary](#) > [James Madison University](#) > [Department of Computer Science](#)
www.cs.odu.edu - 41k - [Cached](#) - [More from this site](#) - [Save](#) - [Block](#)

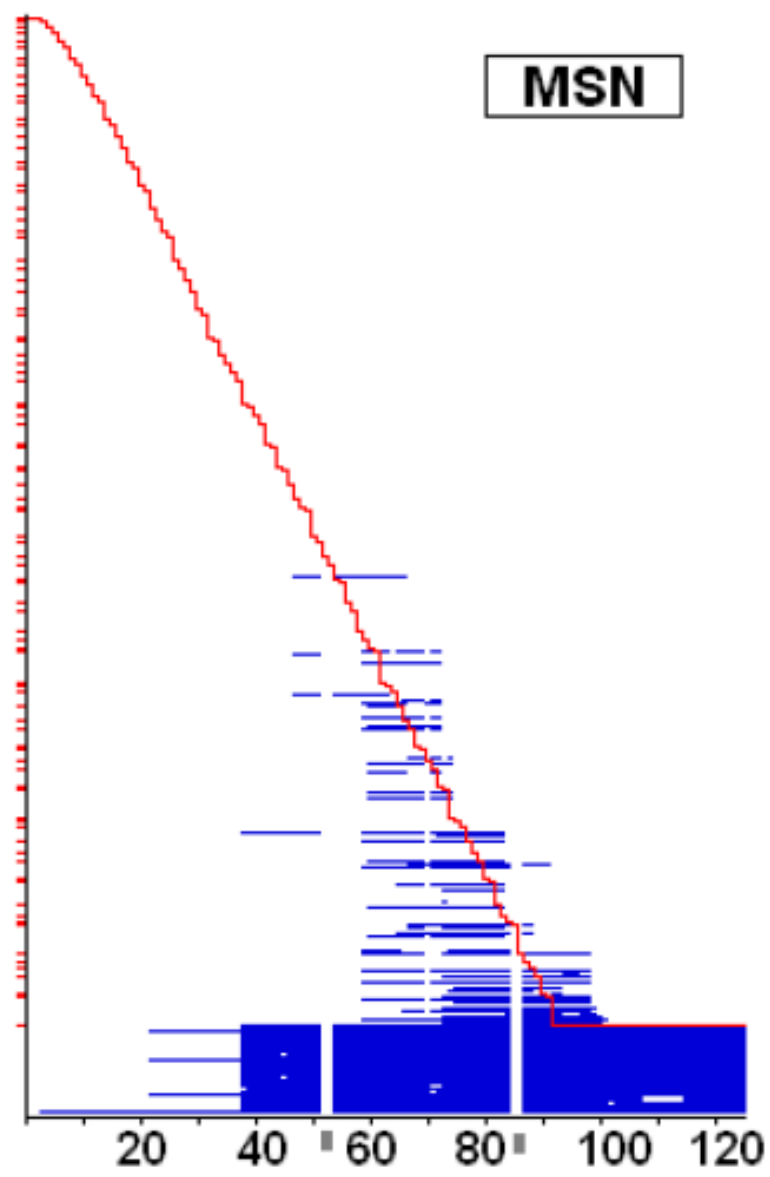
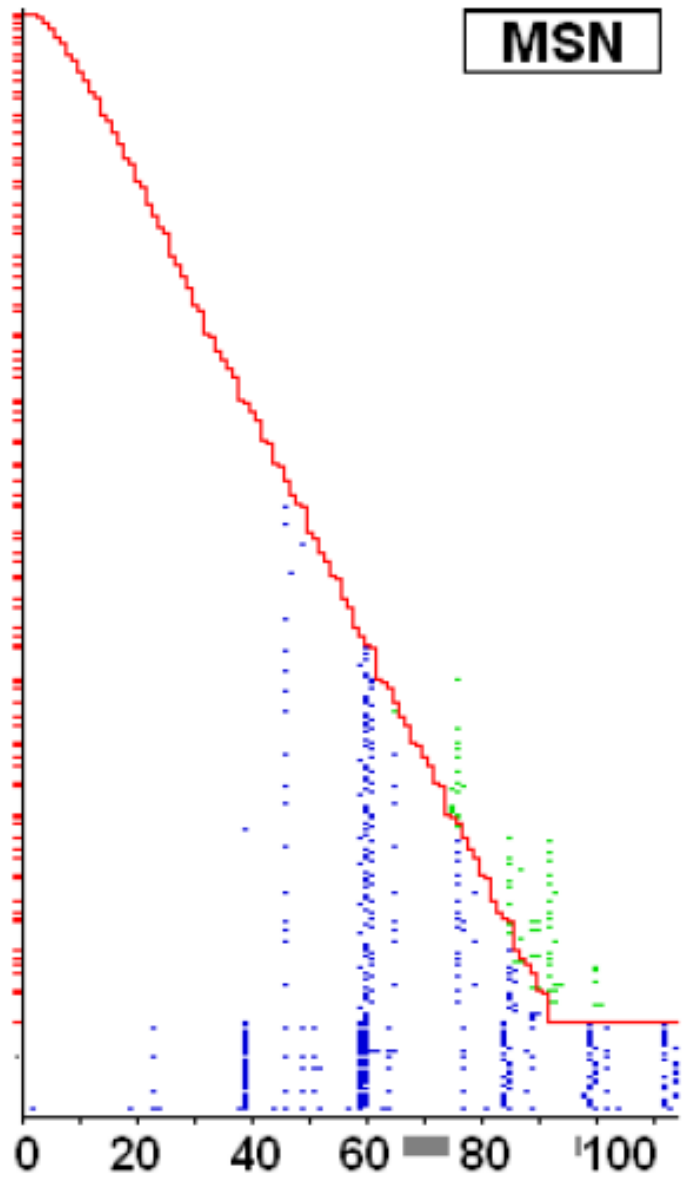
Done

Timeline of Web Resource









Lapsed Website

Internet Archive
WayBackMachine

Enter Web Address: All

Searched for <http://www.dl00.org/> 56 Results

Note some duplicates are not shown. [See all](#).
* denotes when site was updated.

Search Results for Jan 01, 1996 - May 03, 2005									
1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
0 pages	0 pages	0 pages	1 pages	12 pages	11 pages	5 pages	13 pages	11 pages	0 pages
			Oct 01, 1999 *	Jan 05, 2000 Mar 06, 2000 Mar 10, 2000 May 11, 2000 May 20, 2000 Jun 20, 2000 Jun 21, 2000 Aug 15, 2000 Aug 16, 2000 Oct 09, 2000 Oct 18, 2000 Dec 04, 2000	Jan 24, 2001 Feb 02, 2001 Feb 04, 2001 Feb 13, 2001 Mar 01, 2001 Apr 01, 2001 Apr 05, 2001 Apr 14, 2001 * Apr 21, 2001 Aug 31, 2001 * Nov 27, 2001 *	Jan 18, 2002 * May 31, 2002 Jun 06, 2002 Nov 25, 2002 Nov 27, 2002	Feb 05, 2003 May 02, 2003 * Jun 10, 2003 * Jul 30, 2003 * Aug 05, 2003 Aug 08, 2003 * Sep 27, 2003 * Oct 05, 2003 * Oct 07, 2003 * Dec 13, 2003 * Dec 17, 2003 * Dec 27, 2003 * Dec 28, 2003 *	Jan 01, 2004 * Jan 03, 2004 * Jan 30, 2004 * Apr 03, 2004 * Apr 11, 2004 * May 25, 2004 * Jun 08, 2004 * Jun 09, 2004 * Jun 10, 2004 * Jun 12, 2004 * Jun 16, 2004 *	

ACM DL Conference

Gambling

Search Engine Portal


Porn

Scenario 1: Same URI, Same Content

JCDL 2006

http://www.jcdl2006.org/
July 2006

http://www.jcdl2006.org/
Today



JCDL 2006

Opening Information Horizons

June 11-15, 2006 — Chapel Hill, NC, USA

- Home
- Conference Location
- Conference Program
 - Demonstrations
 - Posters
 - Sessions
 - Tutorials
 - Workshops
- Doctoral Consortium
- Hotel Information
- Keynote Speakers
- Organizing Committee
- Program Committee
- Registration
- Sponsorship
- Travel Information

Welcome to JCDL 2006

The Joint Conference on Digital Libraries is a major international forum focusing on digital libraries and associated technical, practical, and social issues. JCDL encompasses the many meanings of the term "digital libraries," including (but not limited to) new forms of information institutions; operational information systems with all manner of digital content; new means of selecting, collecting, organizing, and distributing digital content; digital preservation and archiving; and theoretical models of information media, including document genres and electronic publishing.

JCDL Updates

JCDL 2006 Conference Info

Posted June 9th, 2006

JCDL 2006 is almost here! Looking for information at the conference? These links make be helpful:

JCDL Wiki

The [JCDL 2006 Wiki](#) is the best location to find up-to-date information about the conference.

Conference Location:

[Medical Biomolecular Research Building](#) — [Google Maps](#), [Campus Map](#) (PDF)

Parking & Transportation

[Parking and transportation information](#) (PDF)


Conference Program

- [Demonstrations](#)
- [Posters](#)

Conference Tools

[JCDL 2006 Wiki](#)

Important Dates



JCDL 2006

Opening Information Horizons

June 11-15, 2006 — Chapel Hill, NC, USA

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Parking & Transportation

[Parking and transportation information](#) (PDF)

Conference Program

- [Demonstrations](#)
- [Posters](#)

Conference Tools

[JCDL 2006 Wiki](#)

Important Dates

Scenario 2: Same URI, Different Content

Hypertext 2006

http://www.ht06.org/
August 2006

http://www.ht06.org/
Today

Home Calls for participation Submissions Program Conference Information News

TOOLS FOR SUPPORTING SOCIAL STRUCTURES

HYPERTEXT 2006 — SEVENTEENTH ACM CONFERENCE ON HYPERTEXT AND HYPERMEDIA

HYPERTEXT 2006

Tools for Supporting Social Structures

Print Version

Hypertext 2006 — Seventeenth ACM Conference on Hypertext and Hypermedia
Odense, Denmark — 23-25 August 2006

Hypertext and hypermedia are technologies for supporting structured knowledge work. The Seventeenth International ACM Conference on Hypertext and Hypermedia: Tools for Supporting Social Structures (HT 2006) will focus specifically on tools that help us represent, model and interact with social structures, including cultural, literary, linguistic, and other types of social structures. Recently, in fields ranging from anthropology to linguistics, there has been an increasing focus on representing complex social phenomena using networks or other structure-intensive models. HT 2006 will bring together social scientists with hypertext and hypermedia researchers who specialize in building tools to build, manipulate, and manage structure-intensive models.

The conference will take place in the Radisson SAS H.C. Andersen Hotel in Odense, Denmark. The hotel is located within the central part of Odense, with easy access to several tourist attractions and the historic pedestrian walking areas of the old city. The conference hotel has extended our attendees a special nightly rate of 850 DKK, which includes breakfast and free wireless internet access. Odense, birthplace of legendary storyteller H.C. Andersen, is one of the most beautiful cities in Denmark. With its nearly 200,000 inhabitants, it is Denmark's third largest city. Located in the middle of the country, Odense is easily reachable by air, rail, and car.

Co-location with WikiSym 2006
ACM Hypertext 2006 will be co-located with WikiSym 2006. WikiSym 2006 will take place from August 21-23, 2006. There will be a joint workshops day shared between ACM Hypertext 2006 and WikiSym 2006. The two events will also have a joint conference dinner and share a keynote speaker on August 23, 2006.

Co-operation with ACM SIGCAS
ACM Hypertext 2006 is being held in co-operation with ACM SIGCAS.

[ACM SIGCAS logo]

University of Southern Denmark | Maersk Institute, Campusvej 55 | 5230 Odense M, Denmark | E-mail: info@ht06.org

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HT06.org
find a better job

Home | Links | Contact Us | Post a job | Bookmark

Search jobs: Search

Accounting Job
Earn a Degree in Accounting! Attend Class Anytime, Day or Night.
online.southuniversity.edu

Find Job Descriptions
Land the Right Job on Monster - Search Listings & Get Career Advice
www.Monster.com

Norfolk Accounting
Get Your Finances in Order in Time for Tax Season. Call for Services.
www.VBsTax.com

Ads by Google

Ads by Google Accounting Clerk Resume Auditor Job Bookkeeper Jobs Banking Finance Jobs

Home Accounting and Auditing Services

Ads by Google

Latest jobs

Results: 1-30 of 5972

Page 1 / 200 « First 1 2 3 4 5 6 » Last »

Office Administrator Entrepreneurial, growing and reputable Concrete Construction Company has an opportunity for you to use your generalist accounting and administrative expertise to contribute to the strategic development... Read More Country: USA, Location: Wyoming-Cheyenne Cheyenne, WY 82007	updated	Apply (40)
Accountant Summary Performs a variety of accounting duties related to financial reporting and the reconciliation of balance sheet accounts, ensuring the accuracy and integrity of the company's general ledg... Read More Country: USA, Location: Wisconsin-Northern Wausau, WI 54401	updated	Apply (22)
International Tax Staff There is a tax implication for almost every transaction a company undertakes, from trading to acquisition to offshoring. Even the most sophisticated global companies often struggle with balancing com... Read More Country: USA, Location: Wisconsin-Milwaukee Milwaukee, WI 53202	updated	Apply (5)
Assistant Controller Assistant Controller Reporting to the Monster Controller and part of the Shared Service Division in Milwaukee the Assistant Controller will be responsible to manage, coordinate, and oversee the... Read More Country: USA, Location: Wisconsin-Milwaukee Milwaukee, WI 53223	updated	Apply (42)
IT Staff Auditor Description:Position Summary Reporting to the Manager of IT Internal Audit, this position performs audits throughout Rockwell Automation. Responsibilities	updated	Apply (35)

Scenario 3a: Same Content, Different URI

PSP 2003

http://www.pspcentral.org/events/annual_meeting_2003.html

August 2003

http://www.pspcentral.org/events/archive/annual_meeting_2003.html

Today

February 3-5, 2003

The Association of American Publishers, PSP Division

invites you to join us for

SMART CONTENT: NEW WAYS TO ADD VALUE

2003 PSP Annual Conference

Renaissance Mayflower Hotel
Washington, DC

- [Download the brochure \(.doc\)](#)
- [Click here to register \(.doc\)](#)
- [Exhibitor Information](#)

Program of Events

MONDAY, FEBRUARY 3, 2003

8:30am-
3:00pm *Pre-Conference Session (separate registration fee)*
Where's the Customer for Smart Content?
(pre-conference full-day seminar/separate registration fee)
Moderator: **Eileen Dolan**, Vice President, Wiley InterScience, John Wiley & Sons, Inc.

This seminar will discuss:

- Why the online customer is important
- Identifying the needs, desires and priorities of the online customer
- Creating value for the online customer

The landmark *Usage Statistics* White Paper, published by the PSP Electronic Information Committee, will be available.

4:00pm **Conference Opens**

4:00pm-
6:00pm **Public Policy is Everyone's Concern: Copyright -- A Perennial Rallying Point**
Moderator: **Marc Brodsky**, Executive Director & CEO, American Institute of Physics

February 3-5, 2003

The Association of American Publishers, PSP Division

invites you to join us for

SMART CONTENT: NEW WAYS TO ADD VALUE

2003 PSP Annual Conference

Renaissance Mayflower Hotel
Washington, DC

- [Download the brochure \(.doc\)](#)
- [Click here to register online / Postal mail \(.doc\)](#)
- [Exhibitor Information](#)

PSP 03 Annual Conference Planning Committee

Pieter Bolman (PSP ExCo Chair), Patrick Bernuth, Donald Burden, Nigel Fletcher-Jones, Andrew Grabois, Doug LaFrenier, Eric Massant, Ted Nardin, Hill Slowinski AAP: Barbara Meredith, Sara Firestone

Program of Events

MONDAY, FEBRUARY 3, 2003

8:00am-
9:00am **Continental Breakfast**

3:00pm-
4:00pm **Your chance to visit the New Technologies/Services Exhibitors**

9:00am-
3:00pm **Pre-Conference Session (separate registration fee)**
WHERE IS THE USER FOR YOUR SMART CONTENT?
Produced by the AAP/PSP Electronic Information Committee

9:00am-9:15am
Moderator: **Eileen Dolan**, Vice President, Wiley InterScience, John Wiley & Sons, Inc.

Scenario 3b: Similar Content, Different URI

ECDL 1999

<http://www-rocq.inria.fr/EuroDL99/>
October 1999

<http://www.informatik.uni-trier.de/~ley/db/conf/ercimdl/ercimdl99.html>
Today



ECDL'99
Third European Conference on Research and Advanced Technology for Digital Libraries
Paris, France, September 22-24, 1999
[Invited Talk by Jean-François Abramatic \(Chairman of W3C\)](#)
[Invited Talk by Robert Wilensky \(UC Berkeley\)](#)

Advanced Program	Hotel Reservation	Financial Support
General Information	Registration	Instructions for authors

[Version française](#)

dblp.uni-trier.de
Computer Science
Bibliography

Universität Trier

ECDL 1999: Paris, France

Serge Abiteboul, Anne-Marie Vercoustre (Eds.): Research and Advanced Technology for Digital Libraries, Third European Conference, ECDL'99, Paris, France, September 22-24, 1999, Proceedings. *Lecture Notes in Computer Science* 1696 Springer 1999, ISBN 3-540-66558-7 [BIBTeX](#)

```
@proceedings{DBLP:conf/ercimdl/1999,
  editor    = {Serge Abiteboul and
              Anne-Marie Vercoustre},
  title     = {Research and Advanced Technology for Digital Libraries, Third
              European Conference, ECDL'99, Paris, France, September 22-24,
              1999, Proceedings},
  booktitle = {ECDL},
  publisher = {Springer},
  series    = {Lecture Notes in Computer Science},
  volume    = {1696},
  year      = {1999},
  isbn      = {3-540-66558-7},
  bibsource = {DBLP, http://dblp.uni-trier.de}
}
```

Invited Talks

- Jean-François Abramatic:
Challenges for the Web: Universality and Scalability (Abstract). 1
Electronic Edition (Springer LINK) [BIBTeX](#)
- Robert Wilensky:
The UC Berkeley Digital Library Project: Re-thinking Scholarly Information Dissemination and Use (Abstract). 2
Electronic Edition (Springer LINK) [BIBTeX](#)

Image Categorisation and Access

Scenario 4: Content Not Findable At Any URI

Greynet 1999

<http://www.konbib.nl/infolev/greynet/2.5.htm>

1999



Today



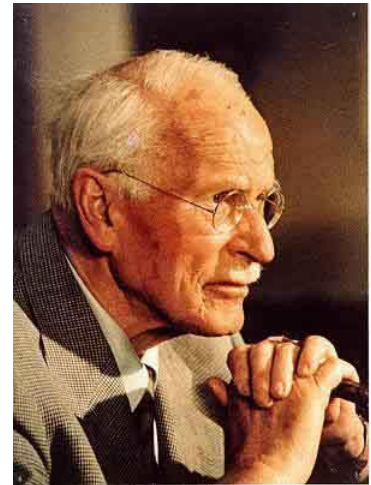


Miller: A lot o' people don't realize what's really going on. They view life as a bunch o' unconnected incidents 'n things. They don't realize that there's this, like, lattice o' coincidence that lays on top o' everything. Give you an example; show you what I mean: suppose you're thinkin' about a plate o' shrimp. Suddenly someone'll say, like, *plate, or shrimp, or plate o' shrimp* out of the blue, no explanation. No point in lookin' for one, either. It's all part of a cosmic unconsciousness.

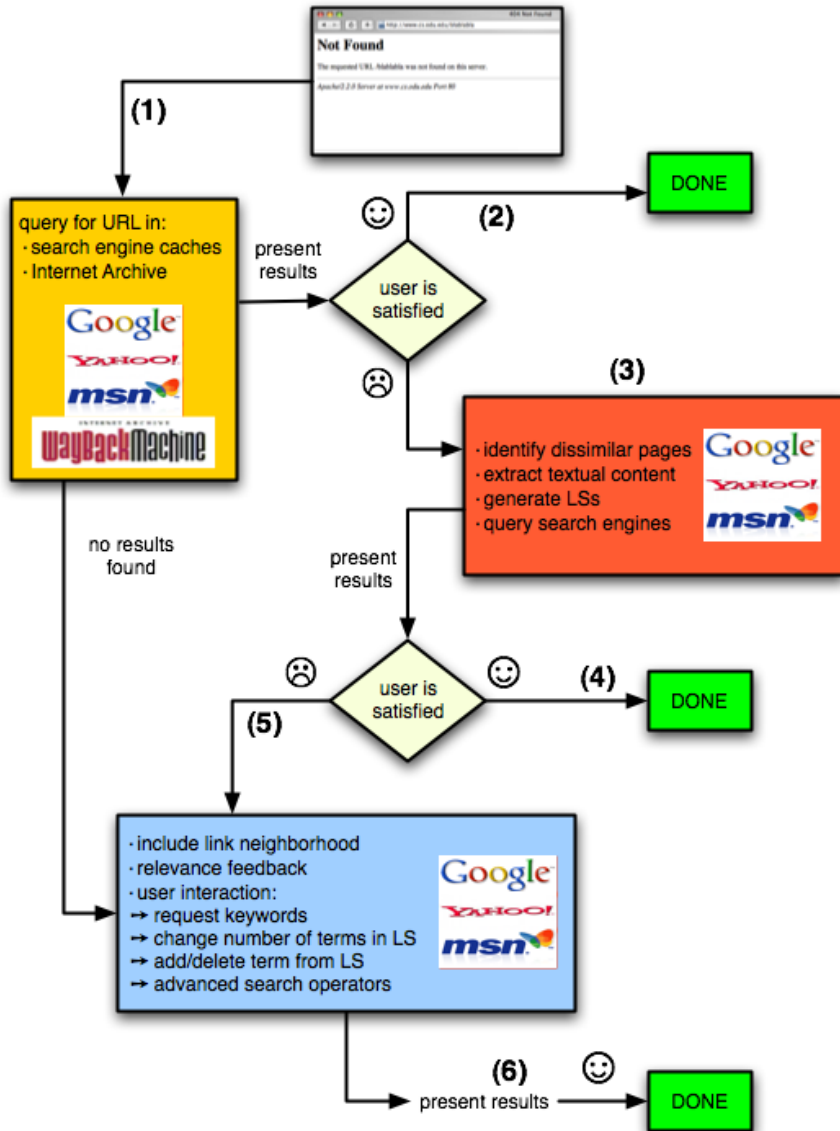
Otto: You eat a lot of acid, Miller, back in the hippie days?

Synchronicity

- Experience of causally unrelated events occurring together in a meaningful manner
- Events reveal underlying pattern, framework bigger than any of the synchronous systems
- Carl Gustav Jung (1875-1961)
 - “meaningful coincidence”



Synchronicity Architecture



- Browser plugin catches 404 "Page not found" error
- Discovers copy of missing page in WI (1) and provides to user (2)
- Generates a search engine query based on what the missing page is "about" (3)
- Provides "good enough" alternative page (4)

What is a Signature?

(aka “message digest”, examples include “md5” and “sha-1”)



image from Eddie Kohler <http://www.cs.ucla.edu/~kohler/>

What is a Lexical Signature?

- First introduced by Phelps and Wilensky [Phelps00]
- Small set of terms capturing the “aboutness” of a document
 - Phelps and Wilensky assumed 5
- “lightweight metadata”

Resource

Removal Policies in Network Caches for World-Wide Web Documents

Stephen Williams, Marc Abrams (Computer Science, Virginia Tech, Blacksburg, VA 24061-0106)

Charles R. Standridge (Industrial Eng., FAMU-FSU College of Eng., Tallahassee, FL 32310)

Ghaleb Ashkhal, Edward A. Fox (Computer Science, Virginia Tech, Blacksburg, VA 24061-0106)

[williams@cs.vt.edu, standridge@engr.fsu.edu, ashkhal@cs.vt.edu]
Revised and Corrected version of Original Publication

Abstract

World-Wide Web proxy servers that cache documents can potentially reduce three quantities: the number of requests that reach popular servers, the volume of network traffic resulting from document requests, and the latency that an end-user experiences in retrieving a document. This paper examines the first two using the measures of cache hit rate (or fraction of client requests I hit as returned by the proxy) and weighted cache hit rate (or fraction of client requests that are served by the proxy). Client requests for an un-cached document may create the demand for one or more cached documents. Multiple documents may exist for one or a rich variety of policies intended to decrease the demand, to optimize for policies for CPU cycles or demand paging, that manage heterogeneous objects. The present taxonomy of removal policies is based on the criteria used for request processing, removal policies (LRU or LRU with age), and the removal policy that maximizes hit rate and weighted hit rate. The experiments use five traces of 88 to 100 days of client URL requests. Our primary criteria used for request processing, removal policies (LRU or LRU with age), and the removal policy that among the worst performing criteria in our simulation. Second, removal decisions based on size maximizes hit rate in each of the studied workloads.

1 Introduction

It is known that what is arguably the most popular application of the Internet, namely the World-Wide Web (WWW) or “Web”, is inherently wasteful. The present understanding of the Web, HTTP [1], is designed for a world in which servers have a large body of documents, each with some number of requests. The Web is designed to be accessed by high volume of access to popular Web pages. This idea is the basis of most distributed web through the most network links. This has several nice network administration and general utilization for the present bandwidth bottleneck. This idea is also the basis of the present work. The idea is to improve upon or replace servers, and not just use

Abstract

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World-Wide Web proxy servers that cache documents can potentially reduce three quantities: the number of requests that reach popular servers, the volume of network traffic resulting from document requests, and the latency that an end-user experiences in retrieving a document. This paper examines the first two using the measures of cache hit rate (or fraction of client-requested URLs returned by the proxy) and weighted cache hit rate (or fraction of client-requested bytes returned by the proxy). A client request for an un-cached document may cause the removal of one or more cached documents. Variable document sizes and types allow a rich variety of policies to select a document for removal, in contrast to policies for CPU caches or demand paging, that manage homogeneous objects. We present a taxonomy of removal policies. Through trace-driven simulation, we determine the maximum possible hit rate and weighted hit rate that a cache could ever achieve, and the removal policy that maximizes hit rate and weighted hit rate. The experiments use five traces of 88 to 100 days of client URL requests. Surprisingly, the criteria used by current proxy-server removal policies (LRU and a proposal by Pitkow and Recker) are among the worst performing criteria in our simulation; instead, replacing documents based on size maximizes hit rate in each of the studied workloads.

LS

**REMOVAL
HIT
RATE
PROXY
CACHE**

[Query
Google](#)

“Removal Policies in Network Caches for World-Wide Web Documents”

LS as Proposed by Phelps and Wilensky

- “Robust Hyperlink Cost Five Words Each”
- Append LS to URL

<http://www.cs.berkeley.edu/~wilensky/NLP.html?lexical-signature=texttiling+wilensky+disambiguation+subtopic+iago>

- **Limitations:**

1. Applications (browsers) need to be modified to exploit LSs
2. LSs need to be computed a priori
3. Works well with most URLs but not with all of them

Lexical Signatures -- Examples

Rank/Results	URL	LS
1/1	http://www.cs.berkeley.edu/~wilensky/NLP.html	texttiling wilensky disambiguation subtopic iago http://www.google.com/search?q=texttiling+wilensky+disambiguation+subtopic+iago
na/10	http://www.dli2.nsf.gov	nsdl multiagency imls testbeds extramural http://www.google.com/search?q=nsdl+multiagency+imls+testbeds+extramural
1/221,000 (1/174,000 in 01/2008)	http://www.loc.gov	library collections congress thomas american http://www.google.com/search?q=library+collections+congress+thomas+american
1/51 (2/77 in 01/2008)	http://www.jcdl2008.org	libraries jcdl digital conference pst http://www.google.com/search?q=libraries+jcdl+digital+conference+pst

Generating LSs

- Term Frequency (TF)
 - “How often does this term occur in this document?”
- Inverse document frequency
 - “In how many documents does this term appear?”

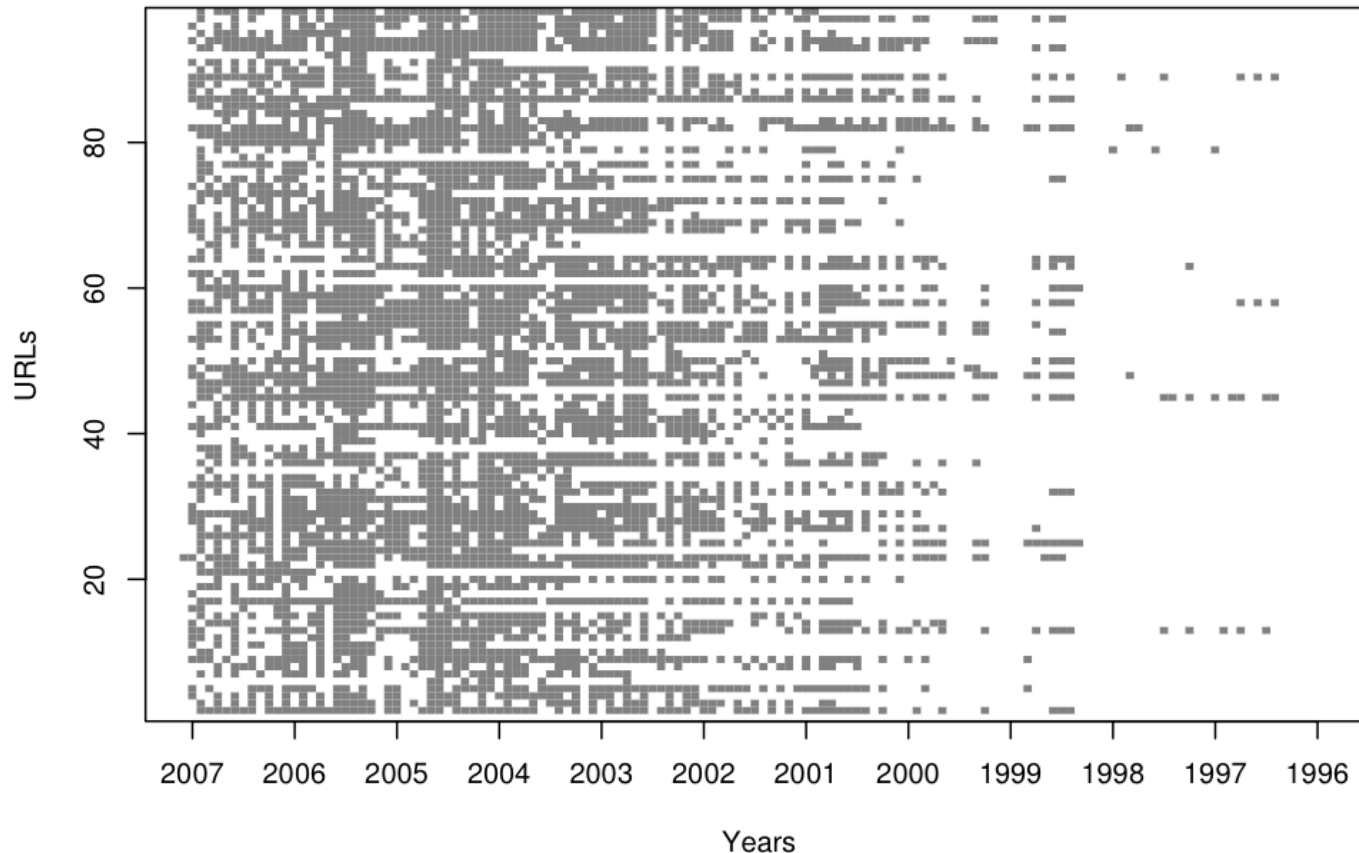
Generating LSs

- Park et al. [Park03] investigated performance of various LS generation algorithms
- Evaluated “tunability” of TF and IDF
 - Weight on TF increases recall (completeness)
 - Weight on IDF improves precision (exactness)
- Also assumed “5” to be a good number
- Compared results after 6 months, but did not do an in-depth analysis of LSs over time

Evolution Over Time

Data

- Copies of web pages from the IA (1996-2007)



300 Random URLs, winnowed to 98, 10493 observations over 12 years

Evolution Over Time -- Example

10-term LSs generated for

<http://www.perfect10wines.com>

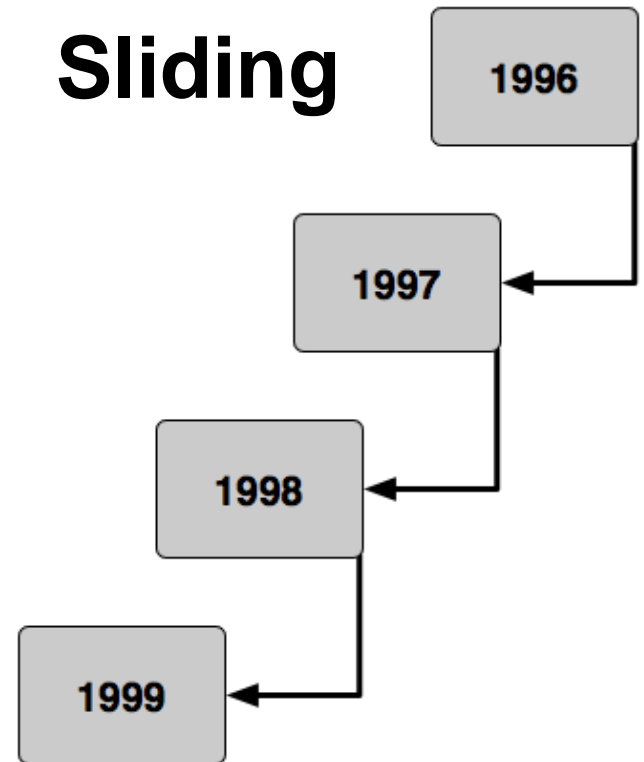
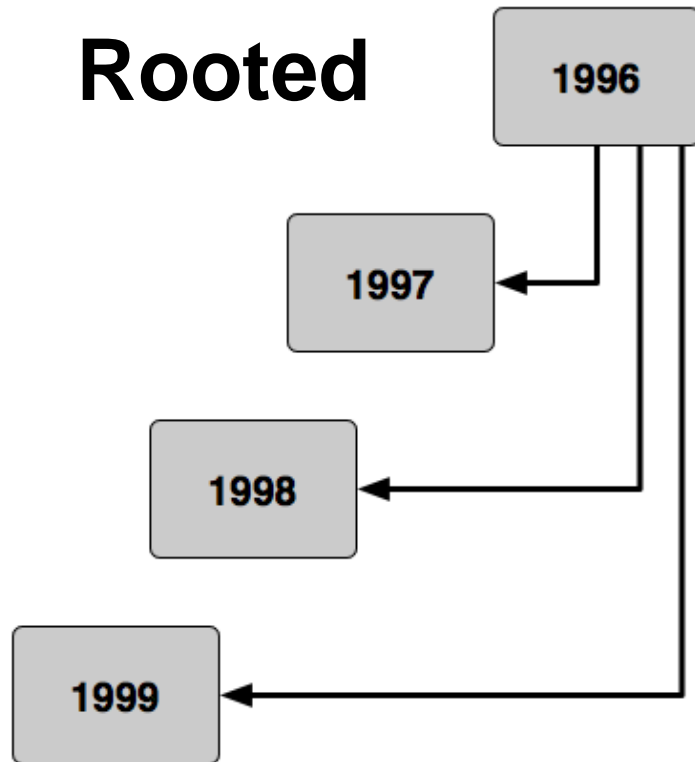
	2005		2006		2007	
	Term	Score	Term	Score	Term	Score
1	wines	8.56	wines	6.52	wines	5.25
2	perfect	5.00	wine	4.80	wine	4.50
3	wine	3.03	perfect	4.70	paso	4.50
4	10	2.60	10	3.45	perfect	4.10
5	monterey	2.24	paso	3.01	robles	3.75
6	chardonnay	2.24	robles	2.89	10	3.40
7	merlot	2.20	monterey	2.79	monterey	2.25
8	robles	1.99	chardonnay	2.79	cabernet	2.25
9	paso	1.99	ripe	1.86	chardonnay	2.25
10	blonde	1.38	vanilla	1.86	sauvignon	2.25

for all terms : $|\cup| = 14$ and $|\cap| = 8$

Evolution Over Time

Idea

- Generate LSs from copies of URLs
- Conduct overlap analysis



Evolution Over Time

Rooted

compare to	Year of First Observation										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
1997	0.33										
1998	0.13	0.33									
1999	0.13	0.20	0.56								
2000	0.13	0.33	0.49	0.51							
2001	0.20	0.27	0.31	0.46	0.58						
2002	0.13	0.33	0.33	0.32	0.48	0.64					
2003	0.13	0.13	0.40	0.40	0.47	0.54	0.66				
2004	0.13	0.13	0.36	0.35	0.40	0.53	0.60	0.66			
2005	0.13	0.07	0.38	0.37	0.37	0.42	0.50	0.63	0.58		
2006	0.13	0.20	0.31	0.35	0.38	0.48	0.51	0.46	0.62	0.80	
2007	0.20	0.20	0.27	0.29	0.37	0.44	0.50	0.37	0.52	0.60	0.90

- Little overlap between the early years and more recent ones
- Highest overlap in the first 1-2 years after creation of the LSs
- Rarely peaks after that – once terms are gone they do not return

Evolution Over Time

Sliding

comparison	Year of First Observation										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
1996-1997	0.33										
1997-1998	0.40	0.33									
1998-1999	0.73	0.27	0.56								
1999-2000	0.53	0.40	0.49	0.51							
2000-2001	0.47	0.87	0.56	0.62	0.58						
2001-2002	0.53	0.73	0.51	0.52	0.63	0.64					
2002-2003	0.60	0.73	0.67	0.55	0.67	0.64	0.66				
2003-2004	0.93	0.80	0.76	0.69	0.80	0.83	0.73	0.66			
2004-2005	0.87	0.80	0.73	0.66	0.82	0.68	0.83	0.74	0.58		
2005-2006	0.93	0.47	0.71	0.72	0.77	0.72	0.84	0.51	0.76	0.80	
2006-2007	0.87	0.53	0.80	0.68	0.83	0.76	0.81	0.49	0.68	0.80	0.90

- Overlap increases over time
- Seem to reach steady state around 2003

Performance of LSs

Idea

- Measure performance in respect to age of LS and number of terms it contains
- Query Google search API with LSs
- Identify URL in result set:
 1. Top ranked
 2. Ranked between 2-10
 3. Ranked between 11-100
 4. Ranked beyond 100 (considered undiscovered)

Performance – Number of Terms

	1	2-10	11-100	≥ 101	MR
2-term	24.3	14.9	13.2	47.6	53.1
3-term	40.2	15.0	15.0	29.8	36.5
4-term	43.9	15.7	11.4	29.0	33.8
5-term	47.0	19.4	3.4	30.2	32.7
6-term	51.2	11.4	3.4	34.1	36.0
7-term	54.9	9.4	1.5	34.2	35.5
8-term	49.8	7.7	2.2	40.4	41.9
9-term	47.0	6.6	0.9	45.5	46.4
10-term	46.1	4.0	0.9	49.0	49.8
15-term	39.8	0.8	0.6	58.9	59.5

- 2-, 3- and 4-term LSs perform poorly
- 5-, 6- and 7-term LSs seem best
 - Top mean rank (MR) value with 5 terms
 - Most top ranked with 7 terms
 - Binary pattern: either top 10 or undiscovered
- 8 terms and beyond do not show improvement

Conclusion & Future Work

- LSs decay over time
 - Rooted: quickly after generation
 - Sliding: seem to stabilize
- 5-, 6- and 7-term LSs seem to perform best
- 8 terms and beyond hurt performance
- Our other results have shown:
 - Google can be “screen scraped” to get the necessary information to build LSs
 - HTML titles, when available, work slightly better than LS (titles + LSs can be combined for even better performance)
- Build the synchronicity Mozilla plug-in
- Construct a list of 404 web pages...

Necronomicon

