Today

- Caching
  - Replacement Algorithms (Tim)
  - Revalidation/Invalidation (Todd)
- Break
- Prefetching
  - Volumes/Filters (Andrew)
  - Papers (Ted, David)
    - Kroeger et al – Bounds of latency reduction.
    - Crovella & Barford – Effects of prefetching.
    - Fan et al – Web prefetching from client to proxy
    - Duchamp – Prefetching hyperlinks
- Student Topics
- For next week
Homework for next week

- Read rest of prefetching papers.
- Read Chapter 15 from the text.
- Read the two papers on Web change.
- Longer draft proposals due.
- As always,
  - Post questions and comments to the class discussion group.
  - Bring something interesting to discuss, relating to Web performance.
Outline For Next Week

- Prefetching (three students)
  - Davison & Liberatore – Pushing politely
  - Cohen & Kaplan – Prefetching the means
  - Davison – Problems with prefetching
- Modeling and Managing Change on the Web
  - Dougliis et al – Rate of Change (one student)
  - Delta-Encoding (15.2, one student)
  - Brewington & Cybenko – How dynamic is the Web (one student)
- End-to-End Performance (15.4, Brian)