



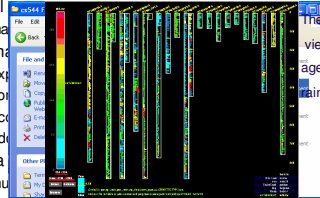
ClearEye:

An Visualization System for Document Revision

CPSC 533C Project Update
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Project Overview

- Motivation
 - personal experience
 - doc vs. code revision
- Goal
 - make it easy to see text with ease
- Domain
 - expert
 - code
 - academic
 - administrative
- Data
 - multiple

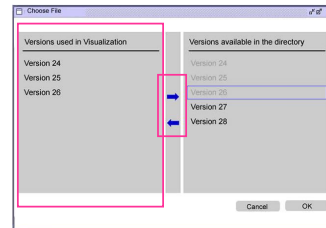


Challenges

- Very few visualization design alternatives
- Presenting document structure evolution and the amount of changes in each section at the same time.
- Level of details in each view
- Visualizing degree of differences in overview
- Java 2D

Proposed Solution (A Walkthrough)

- User input



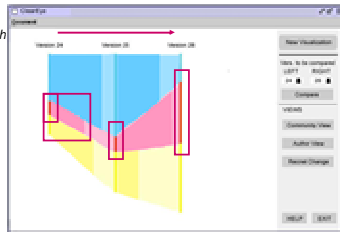
Proposed Solution (continued)

- Level 1: Overview of Multiple Versions

Parallel Coordinates
Inspired by IBM Research

- Changes over time
- Semantic mapping
- Re-structuring
- Degree of change

Community View
Author View
Recent Change View

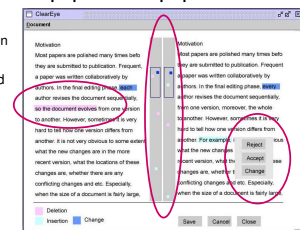


Proposed Solution (continued)

- Level 2: Content View

Removed an intermediate view proposed in the proposal

- Scroll bar based navigation
- Differences are highlighted
- Manipulate the changes (time permits)



Project Progress

- Phase I:
 - Come up with one or more visualization designs and decide one to implement.
- Phase II:
 - Diff Algorithm Implementation
 - Interface Design
- Phase III:
 - Interface implementation (by Mar. 22)
 - Visualization implementation (by Apr. 04)
- Phase III:
 - Testing (by Apr. 15)



Questions and Comments

Thank you!