

ClearEye

A Visualization System for Document Revision

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ClearEye Components

- Level One Overview of Multiple Versions
- Mapping View
- Recent Change View
- Level Two Content comparison view
- Comparison in detail
- Keeps an overview bar

Visualization Techniques in Level One

- Parallel Coordinate HistoryFlow @ IBM
- Choice of Colours Tamara, Munzner Constellation
- Interaction

Visualization Techniques in Level Two

- Overview + Detail
- Color Coding for changes
- User customization

Scenario of Use (Demo)

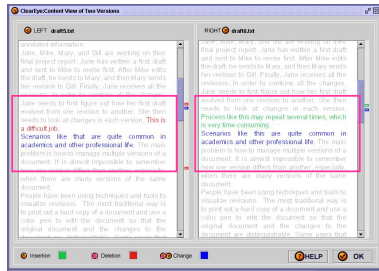
There are totally 6 versions.

Evaluation

- System Evaluation Scalability
- Large number of versions
- Long documents

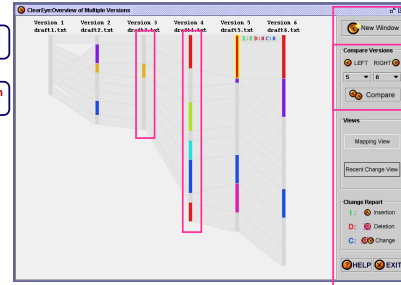
Strengths of ClearEye

- Accessibility
- Reduced Information Density
- Easy Colour Customization
- Finding Detailed Changes Efficiently



Weaknesses

- More direct interactions
- Saving more screen real state



Future Work

Overcome scalability limitations

Document merge

Support more direct interactions

Conclusion

A preliminary taxonomy for designing visualization system for document revision

The system should be highly accessible

The system should provide an overview

Some kind of overview should also provided in the content view to keep users oriented

The system should scale well to large number of versions and long documents

Questions?

