Using Superimposed and Context Information to Find and Re-find Sub-documents
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What?
• Explore the use of superimposed information and context information to find and re-find sub-documents
• Superimposed information is new information such as annotations placed over existing information
• Context is information related to a sub-document, e.g., text surrounding a search term

Why?
• Considerable user effort to find relevant sub-documents with current tools; finding effort is repeated when re-finding
• Search engines return documents, but users frequently need sub-documents: Users routinely perform intra-document searches, e.g., search within a Microsoft® Word document, to find sub-documents
• Some search engines return snippets, but they could do better

How?
• Return documents and sub-documents, provide richer context information
• Unify document and intra-document search
• Support navigation directly to sub-documents from search results
• Leverage finding effort when re-finding information

Results so far:
• SPARCE: Infrastructure to reference sub-documents and retrieve context information, and a few superimposed applications using SPARCE
• Super Search (Sub Search) prototype: Augments documents returned from a search engine with references to sub-documents and adds context information; factors in previously found information