



ReMarkable Texts

A Digital Notepad for the NSDL



ReMarkable Texts System Overview

Goal: To personalize and organize NSDL materials using intuitive annotations.



World
Wide
Web

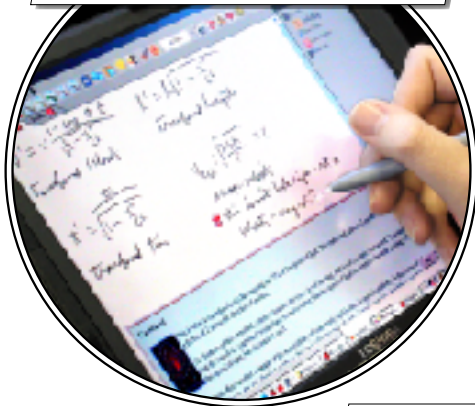
Extensible
Document
Import
Framework



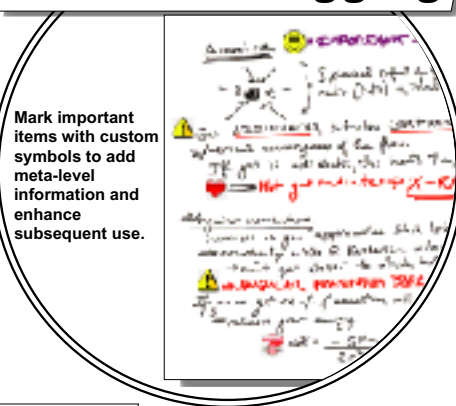
ReMarkable Texts Software Capabilities:

- Pen Annotations
- Metadata Tagging
- Fine-Grained Hyperlinking
- Document Clipping and Harvesting
- Ink-Based Queries
- Historical Context Lookup
- Collaboration

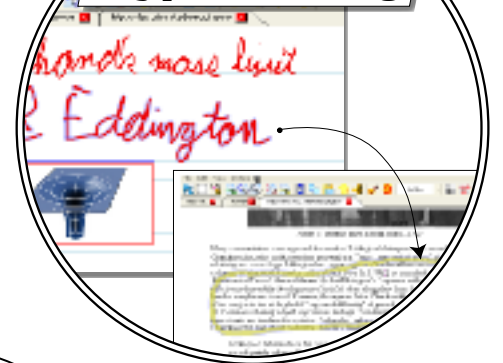
Pen Annotations



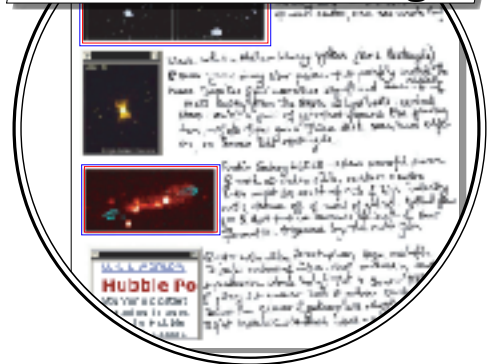
Metadata Tagging



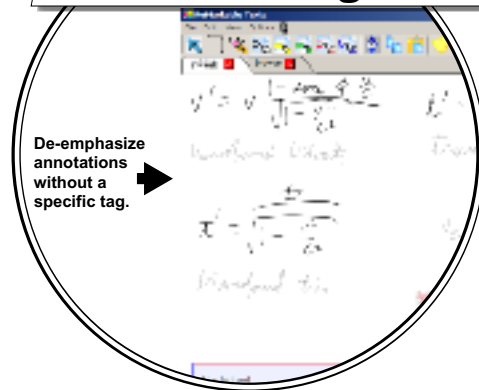
Fine-Grained Hyperlinking



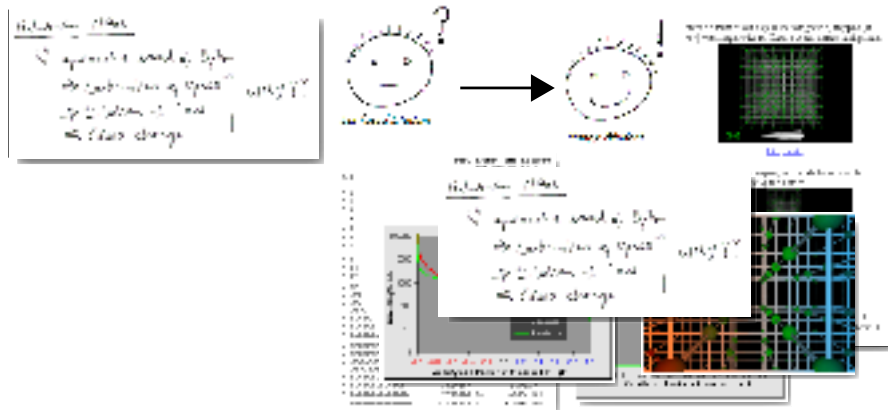
Document Clipping and Harvesting



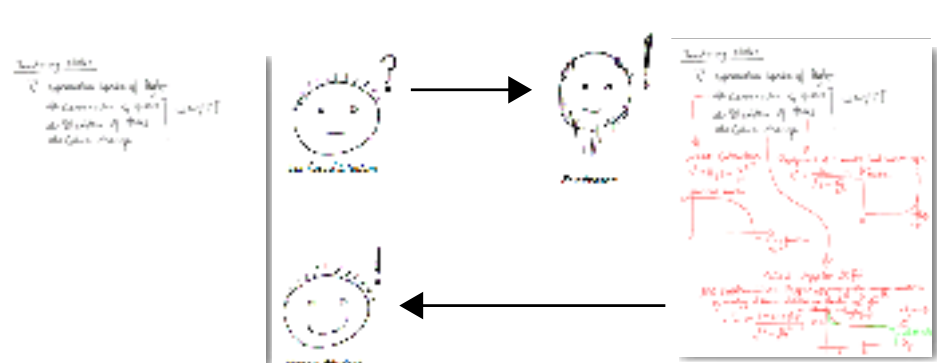
Filtering



Historical Context Lookup



Collaboration



A database logs user interactions with the system, enabling ReMarkable Texts to recreate its state at any past point in time. Capturing the student experience in this way aids in recalling thoughts and ideas that dim as time progresses. Above, the student can't recall the reasons for his notes because they're out of context. On request, the system displays related documents that were open when the notes were taken. The context triggers his memory and clarifies the reason for the annotation. Audio captured by our system can also be included in the context.

Our system enables users to easily collaborate when annotating documents. We support synchronous collaboration in which users annotate a document and see each other's actions in real time. Collaboration also works in asynchronous mode, in which users take turns annotating the document. Above, a student needs clarification on his notes. He establishes a synchronous collaboration during office hours with his professor, who explains the concepts while adding notes, equations, and graphs in red directly into the student's shared notebook. The student, seeing the explanations, understands better and builds confidently on his knowledge.