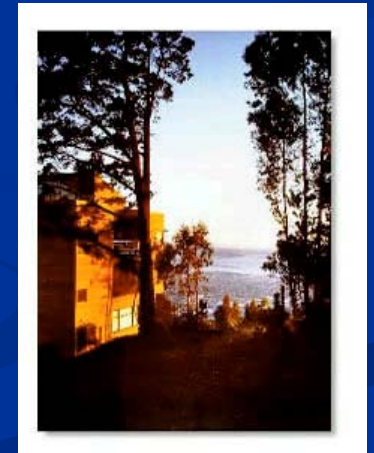


MSRI Workshop

Digitizing Mathematics:
Moore Foundation
2005

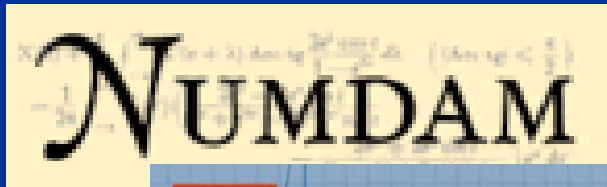


*Creating positive outcomes
for future generations.*



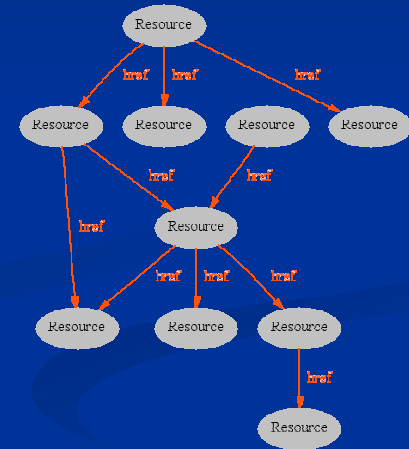
Three Goals

- Learn from projects already carried out
- Build a consensus on standards and features
- Find arguments that will convince publishers to participate



Three Guidelines

- Mainly concerned with journals (although it's good to touch on other things)
- Seeking *practical* advice (not abstract discussions or fantasizing)
- Purpose is NOT to digitize to create a bunch of files; purpose is to build a WEB of literature, seamlessly connected as a whole body of scholarship.



Breakout Sessions

Logistics

- Three groups
- Meet Saturday afternoon, 2:30-5:00
- Continue over dinner(?)
- Report Sunday morning, 9:00-10:30



Logistics (cont)

- Chair
 - resp for organizing and leading discussion
- Secretary
 - resp for creating report of the group
- Some time in afternoon + evening devoted to creating report



Three Groups

- 1- Standards and features
- 2- Access and Archiving
- 3- Publishers and Copyright

1-Standards & Features

(sample questions)

- What are common parts of current projects?
- What are standards for scanning?
- Standards for OCR?
- How should one form URLs? How do we guarantee persistence of URLs?
- What is the right core metadata?
- What are other parts that need to be standardized?
- How do we interconnect the material?
- Should we tag mathematics and artwork for future use?

2-Access & Archiving

(sample questions)

- How do we integrate this with rest of mathematical literature?
- How do we keep track of ongoing and completed projects?
- Should there be a moving wall?
- What is the right length of time? Variable?
- Can Google provide enough access?
- How do we archive the material?
- Who has responsibility?
- Who pays the costs of archiving?

3-Publishers & Copyright

(sample questions)

- Should we ignore publishers?
- What is the value of past literature to present journals?
- Should we persuade authors to retrieve copyright?
- What is the right strategy for dealing with copyright going forward? (Author-owned copyright?).
- Are we willing to leave big gaps in the literature (whole collections of journals that are missing)?
- How do we deal with author-rights (especially important internationally)?
- How do we structure agreements with publishers?
- Who are the parties in such agreements?

Reports

- Structure as sequence of question-answer-options
- YOU decide the questions (and answers)
- Forbidden to sleep Saturday night until report is done!

