





Taming the Giant
06-07 Activities






Purpose of the Collection

- ◆ Act as a Resource for Faculty Teaching Introductory Physics Courses to:
 - ◆ Find materials to help prepare Lectures/Labs/Learning Activities/Tutorials/....
 - ◆ Find access to PER resources related to the content they teach.
 - ◆ Find access to PER resources to access their teaching.
 - ◆ Share findings and ideas with colleagues dealing with similar issues
 - ◆ Provide their students with access to learning resources




Mzoughi-06-25-07 2



Implementation Goals

- ◆ Quick Find of the resources needed.
- ◆ Finding the resources needed.
- ◆ Easy way to organize the resources for future use
- ◆ Easy method for sharing resources with students and others.
- ◆ Ensure that the resources are up-to-date.



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The Physics Source
for undergraduate physics teachers

Implementation –Issues 1

- ◆ Vocabulary
- ◆ Courses
 - ◆ Physical Science/Physics Courses
 - ◆ For the general audience (including physics for poets & physics for presidents)
 - ◆ For education majors
 - ◆ Algebra Based Courses
 - ◆ Science majors
 - ◆ Architects & some Engineering
 - ◆ Pre-med pre- vet tracks
 - ◆ Calculus Based Courses
 - ◆ Engineering majors
 - ◆ Physics majors
 - ◆ Other Science Majors
 - ◆ Technical Physics Courses
 - ◆ Physics Prep Courses
 - ◆ Honor Courses

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Implementation –Issues 2

- ◆ Math Level
 - ◆ No Math
 - ◆ Arithmetic
 - ◆ Algebra
 - ◆ Trigonometry
 - ◆ Calculus
 - ◆ Differential Equations
- ◆ Linking to other Libraries
 - ◆ Phsyet library
 - ◆ JITT Library
 - ◆ PER Library
 - ◆ PIRA Library???
 - ◆

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Implementation –Issues 3

- ◆ Type of Resources
- ◆ Integrity of Resources
- ◆ Peer-Review/User Rating
- ◆ Related Items
- ◆ Precision of Search Results
- ◆ Whole Courses/Books
- ◆ Items that cover several topics

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Check to save

PER Resources Resources Conceptual Cal Based

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Item being looked at. It is chosen according to rating.

Check to save Check to recommend Report error

Similar Item Evaluate Item
Recommend Back to Search

Current item ratings/recommendations/number of times saved/etc

Hot list of next 5 (or 10) items (according to rating) including a mixture of recommended "resource types"

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Item being looked at. It is chosen according to rating.

Related Literature
Misconceptions
Research Instruments
Ranking Task Questions
JITT Questions
Peer Instruction Q
Interactive L. Demonst

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Item being looked at. It is chosen according to rating.

Demonstrations
Lectures/Notes
Labs
Homework Questions
Exam Questions
Hands on Activities
Applications
Worked Examples

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Item being looked at. It is chosen according to rating.

Check to save on
 Check to recommend
 Report error

[Similar Item](#) [Evaluate Item](#)
[Recommend](#) [Back to Search](#)

Current item ratings/recommendations number of
 Hot list of next 5 (or 10) items (according to rating) with to them

- Demonstrations
- Lectures/Notes
- Labs
- Homework Questions
- Exam Questions
- Hands on Activities
- Applications
- Worked Examples
- Peer Instruction Q
- Interactive L. Demonst
- Related Literature
- JIT Questions
- Research Instruments
- Misconceptions
- Ranking Task Questions

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mzoughi-06-25-07 13
