Welcome to the Show-N-Tell Physics Area!

The goal of this area is to provide samples of the use of LON-CAPA in Physics. In the Sample folder you will find sequences that point to a variety of problems actively in use. These problems should have the source available. Click 'Source Available' at the top of the resource browser.

There may also be folders that provide 'favorites' of different people. These are hopefully creative, well-written problems that people want to spread the word about.

Pockets of Problems

One of the issues is finding pockets of problems in a topic area. The following people are actively developing materials or have public libraries in physics:

Location	Maintainer	Description
/res/msu /physicslib	Felicia Berryman	Full library of problems geared towards the algebra-based and calculus-based introductory physics level. Many of these problems are old CAPA problems translated into LON-CAPA.
/res/msu/kashy /physicsLib02	Ed Kashy	Extensive collection of Ed Kashy Introductory College Physics problems
/res/fsu /capalibrary	Hon-Kie Ng	Full library of problems geared towards the algebra-based and calculus-based introductory physics level. Many of these problems are old CAPA problems translated into LON-CAPA.
/res/tccfl/jac	James Carr	A substantial selection of problems freshly coded by James for introductory physics.
/res/msu/mmp	Wolfgang Bauer	Collection of problems and materials for complete Multimedia Algebra-based Physics course. Includes a number of good java applets. You need to go down into the Kap1-Kap33 (I presume German abbreviation for Chapter :)) for the web pages. Further into problem directories for the problems.
/res/msu /kortemey /physicslib	Gerd Kortemeyer	Collection of problems for college-based introductory physics. Graphing problems, dynamic wording, formularesponse, dynamic ranking, etc...
/res/ohiou /ccliphys /dcCircuits	Mark Lucas, Hon-Kie Ng, Jerry Feldman, Cornelius Bennhold	Collection of 30 problems on DC circuits based on the Physics Education Research developed for an NSF CCLI proposal. All publicly available with source available. lots of option response, ranking and numerical questions.
/res/ohiou /OUp200lib	Mark Lucas	Collection of algebra-based problems, many of which were converted from old CAPA problems. Chapters based on Serway and Faughn 4th Edition. Newer problems under unnumbered chapter headings. Check usage statistics. Some have been used extensively, some not.
/res/ohiou /physlets	Mark Lucas	Collection of physlet problems and applets for use in class as response questions. Primarily 1-d kinematics, collisions, harmonic motion, and optics. All published publicly and most with source available.