

Sharing Video Experiments with Tracker Digital Libraries

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AAPT Winter Meeting 2013
CE01, 8 Jan 2013



Sharing is an important component of teaching/learning

- In class: presentations, group projects, etc.
- On the web: blogs, YouTube, social media, etc.
- **Basic sharing requirements:**
 - shareable items
 - place to store shared items
 - way to view and open shared items
 - way to search for shared items

Sharing Tracker experiments

- Shared items are **Tracker ZIPs** (TRZ extension).
- Store items in local or web folder.
- View and open items with **Digital Library Browser**.
- Search for items with Digital Library Browser.

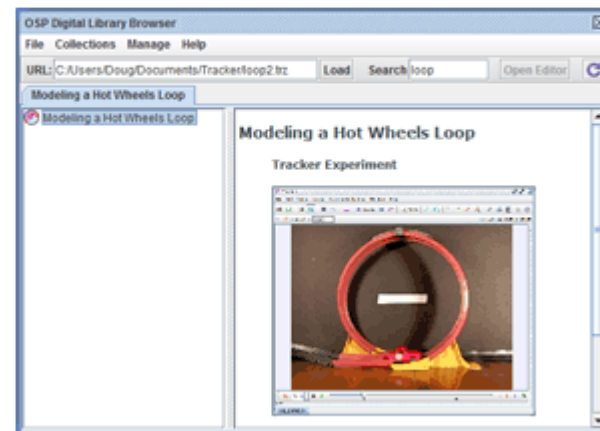
Tracker ZIPs



Folder

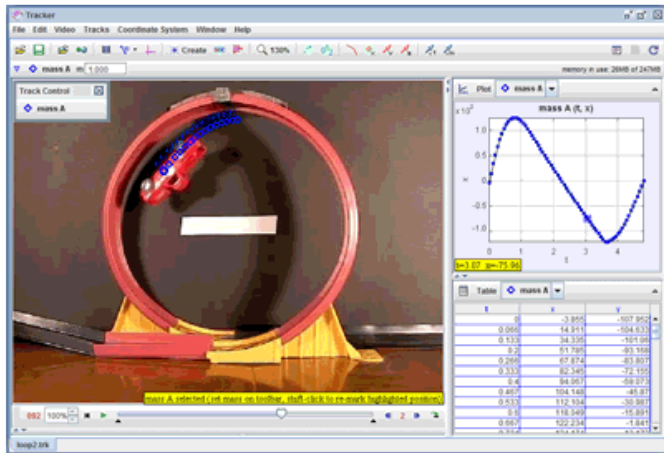


Digital Library Browser

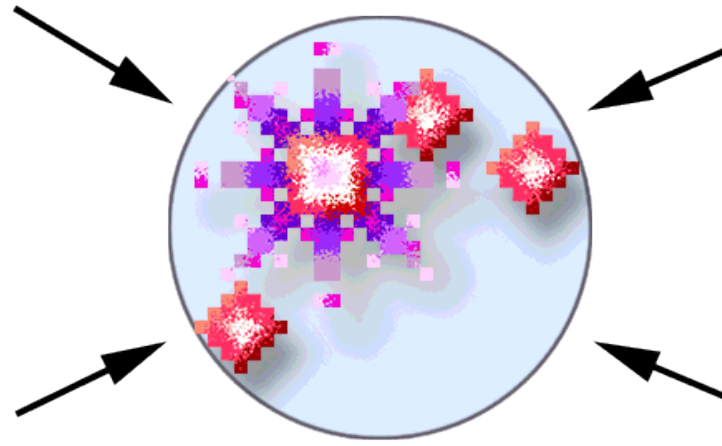


What is a Tracker ZIP?

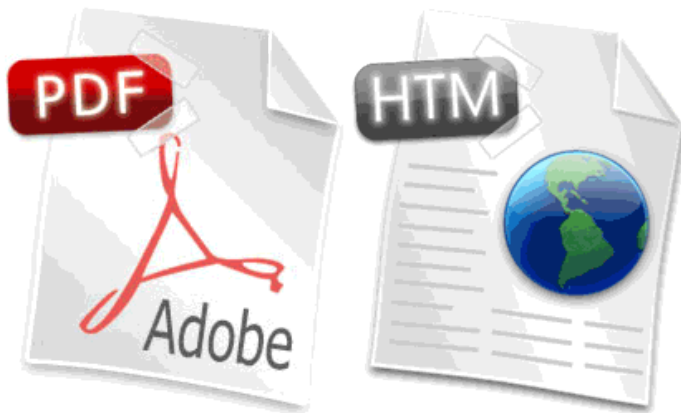
Tracker experiment
(TRK + video + PDF/HTML)



Tracker ZIP
(TRZ)

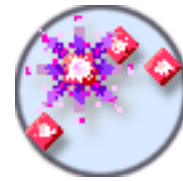


HTML info
(thumbnail image,
title, metadata)



Tracker ZIP properties

- Single self-contained file.
- Self-documenting in DL browser.
- Defines searchable metadata.
- Compressed ZIP format.
- May contain supplemental PDF/HTML files.
- TRZ extension associated with Tracker (shows icon, opens in Tracker when double-clicked).



How do you create a Tracker ZIP?

- Use the **Export Tracker ZIP** dialog
 - Enter name, description and metadata
 - Customize video format and/or thumbnail image
 - Add supplemental PDF, HTML or other files
 - Save

Using the Digital Library Browser

- Open collections from **Collections** menu, **File|Open** menu, or **URL field**.
- Add collections to **Collections|My Library**.
- Select an item in the tree to view HTML information.
- Double-click an item to open it in Tracker and/or default desktop viewer.

Searching with the DL Browser

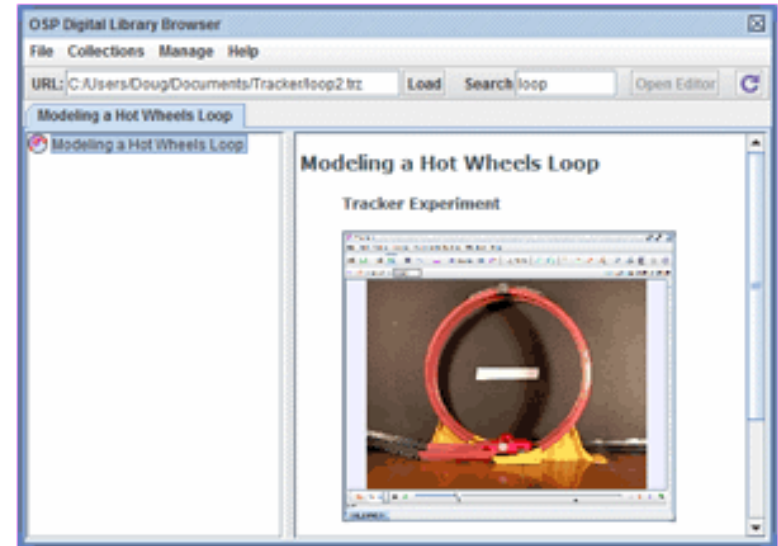
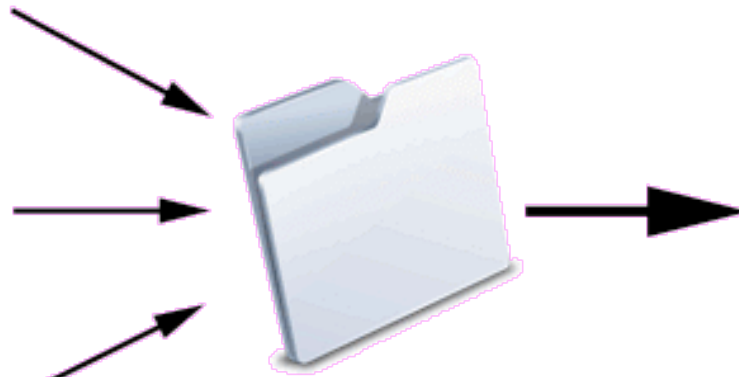
- Enter terms to search for (ignores case).
- Search for terms in resource names, authors, contact information, keywords, resource type.
- Use AND, OR and parentheses to refine search.
- **Searches a local cache, NOT the web.**
- Populate your cache initially by fully loading all collections of interest (may take several minutes).
- Manage search & cache using the Library Manager.

Sharing locally with peers, students and instructors

Tracker ZIPs

Local Folder

Digital Library Browser

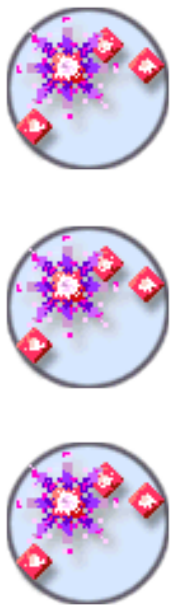


Sharing on the web

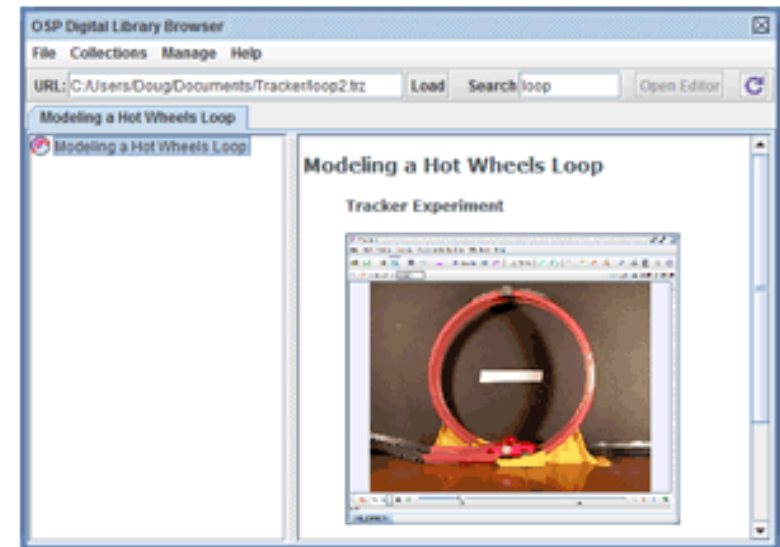
Web Folder
and PHP script



Tracker ZIPs



Digital Library Browser



Using the PHP script

- The script returns a list of all Tracker ZIPs in the same folder on the web.
- To use the script file:
 - Download from the Tracker **Share** page
 - Upload to your web folder (rename if needed)
 - Open in DL browser.
- **Full instructions on the Tracker Share page.**

More about HTML info files

- Use HTML info files to describe collections.
- Append “_info.html” to collection base name.
- Examples:
 - script: “library_collection_info.html”
 - local folder: “AAPT_info.html”
- Include <title> and <meta> tags in head if desired:

```
<head>  
  <title>Rolling and Slipping</title>  
  <meta name="author" content="Stan Dodds, Douglas Brown">  
  <meta name="keywords" content="AAPT, hoop">  
</head>
```

Optional: convert collection to XML

- XML collection is fully editable.
- XML collection tree is independent of file structure.
- Allows you to define metadata for any resource.
- Open XML file as collection in DL browser.
- To convert:
 - Open collection in DL Browser.
 - Save collection using File|Save As....
 - Edit collection.
 - See **Tracker Help: Digital Library Browser**

Sharing globally

- The **Collections|Shared Library** menu is available to all Tracker users.
- To add your web collection to the Shared Library menu, just send the URL path to:

dobrown@cabrillo.edu.



Thank you!

- **Download Tracker version 4.75** (free) from:
 - <http://www.cabrillo.edu/~dbrown/tracker/>
 - <http://www.compadre.org/OSP/>
 - or just Google “Tracker”
- **Help topics:** Tracker ZIP files, Digital Library Browser
- **OSP team:** Wolfgang Christian (leader), Mario Belloni, Anne Cox, Francisco Esquembre, Harvey Gould, Bill Junkin, Aaron Titus and Jan Tobochnik
- **Email:** dobrown@cabrillo.edu (Douglas Brown)
- **Support:** NSF grant DUE-0442581