Rejuvenating Learning Resources and Working with the JORUM

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About me

- Learning Technology adviser, for about 12 years
- Main interest is sharing digital learning resources
- Metadata and digital repository coordinator for CETIS

ReSET and LearnEm

- Two projects creating learning resources by “rejuvenating” or “repackaging” existing material.
- Aims
  - Build on known successes
  - Extend lifespan
  - Enhance “shareability”

Shareability? (my take)

A resource is more likely to be shared if:

- It is of high quality
- It is modular
- It is standards compliant
- Its IPR status is clear
- It is discoverable

Charles Duncan's take on Shareability:

Resources should be DERPable

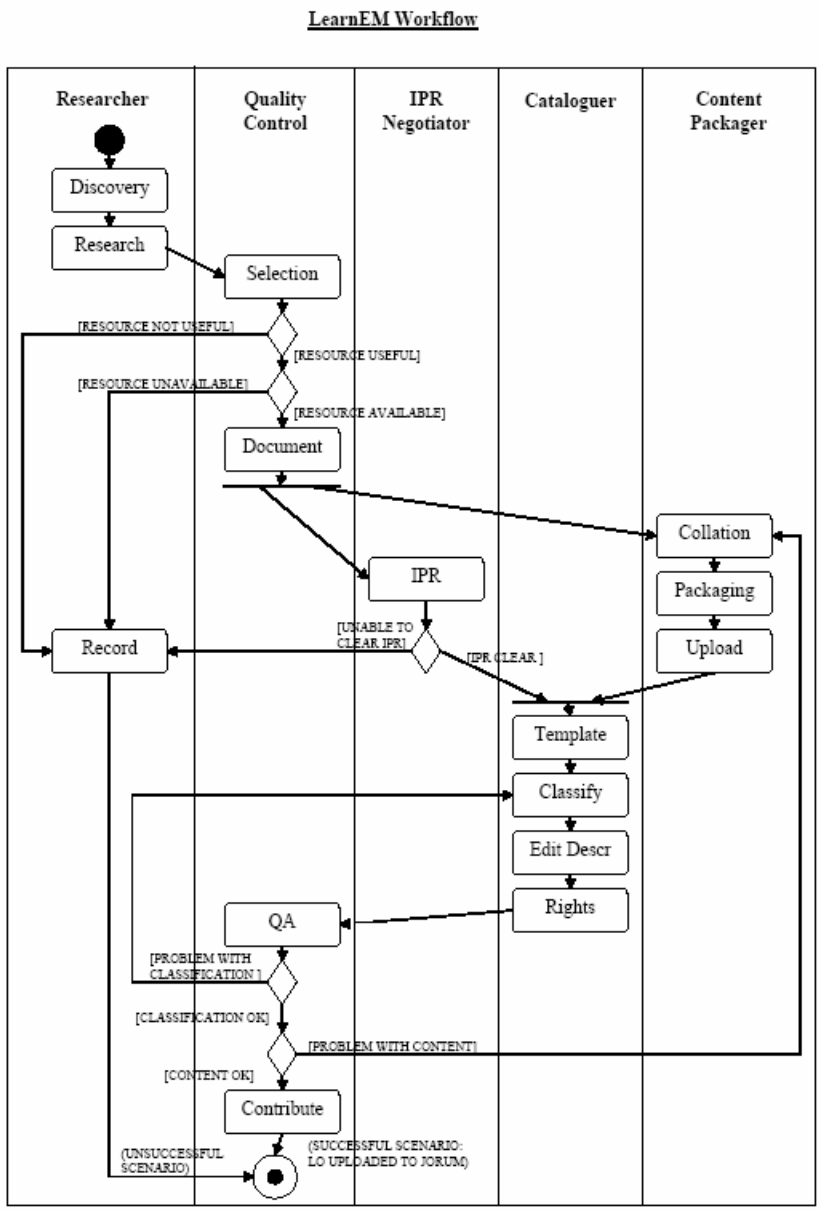
- Discoverable
- Editable
- Repurposable
- Portable

Charles Duncan, CEO Intrallect Ltd, at Eduserv Foundation Sympsoium 2005

http://www.eduserv.org.uk/foundation/symposium/2005/seminars.html

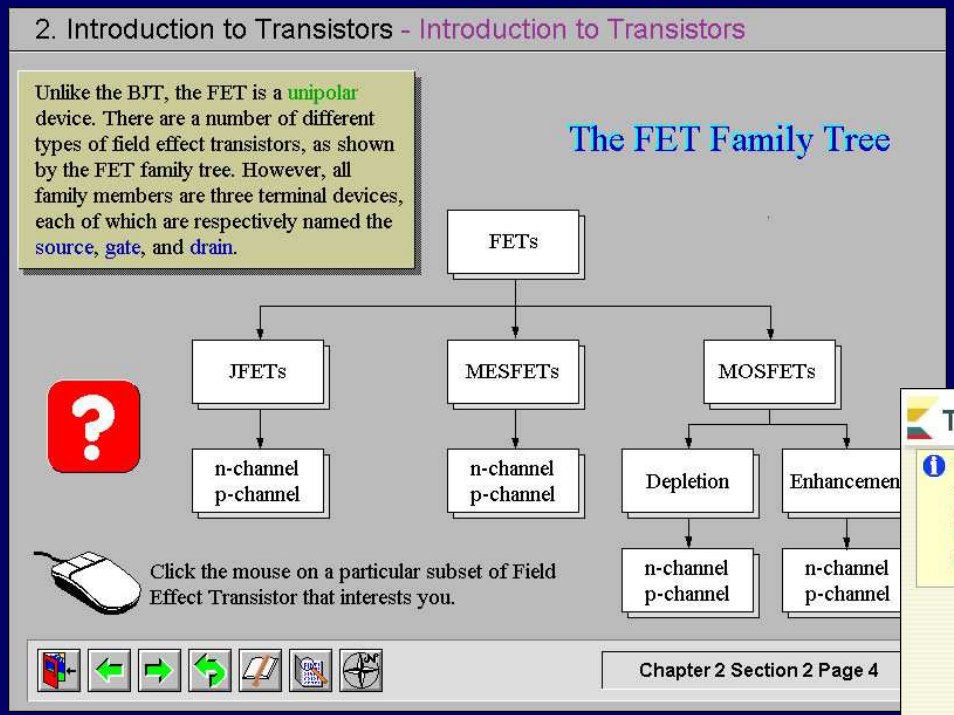
So, what do we actually do?

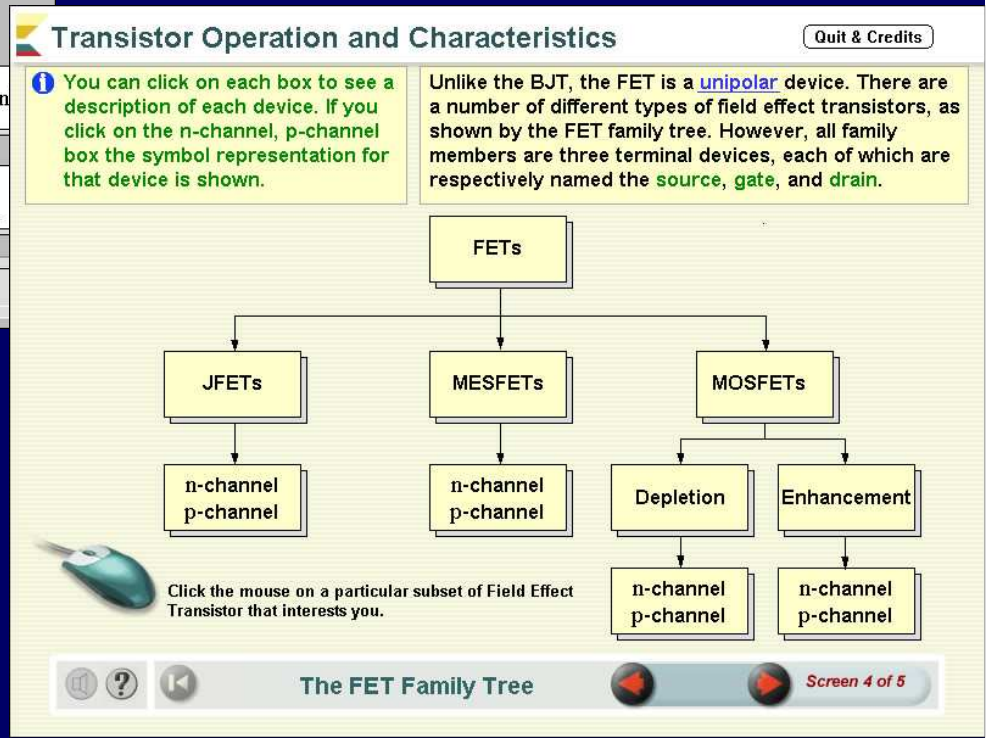
- Discover suitable resource
- Clear its IPR
- Rejuvenate / repackage
- Describe
- Publish in Jorum



And what does that give us?

ReSET:





what else does it give us?

LearnEM

Before: DoITPoMS Teaching and Learning Package (web site, e.g. http://www.msm.cam.ac.uk/doitpoms/tlplib/optical-microscopy/index.php)

After: the same content in an IMS Content Package! (Reload preview)

Jorum (policy)

- Free (Jisc funded) online repository service for UK F&HE
- Separate Contributor and User services
- Need to register at institutional and personal level
- Resources published under licence that allows use, editing (but not republishing or selling) in UK education.

Jorum (technical)

- Uses IMS Content Packages and IEEE LOM metadata
- Metadata exposed through OAI-PMH (SRW cross search in development)

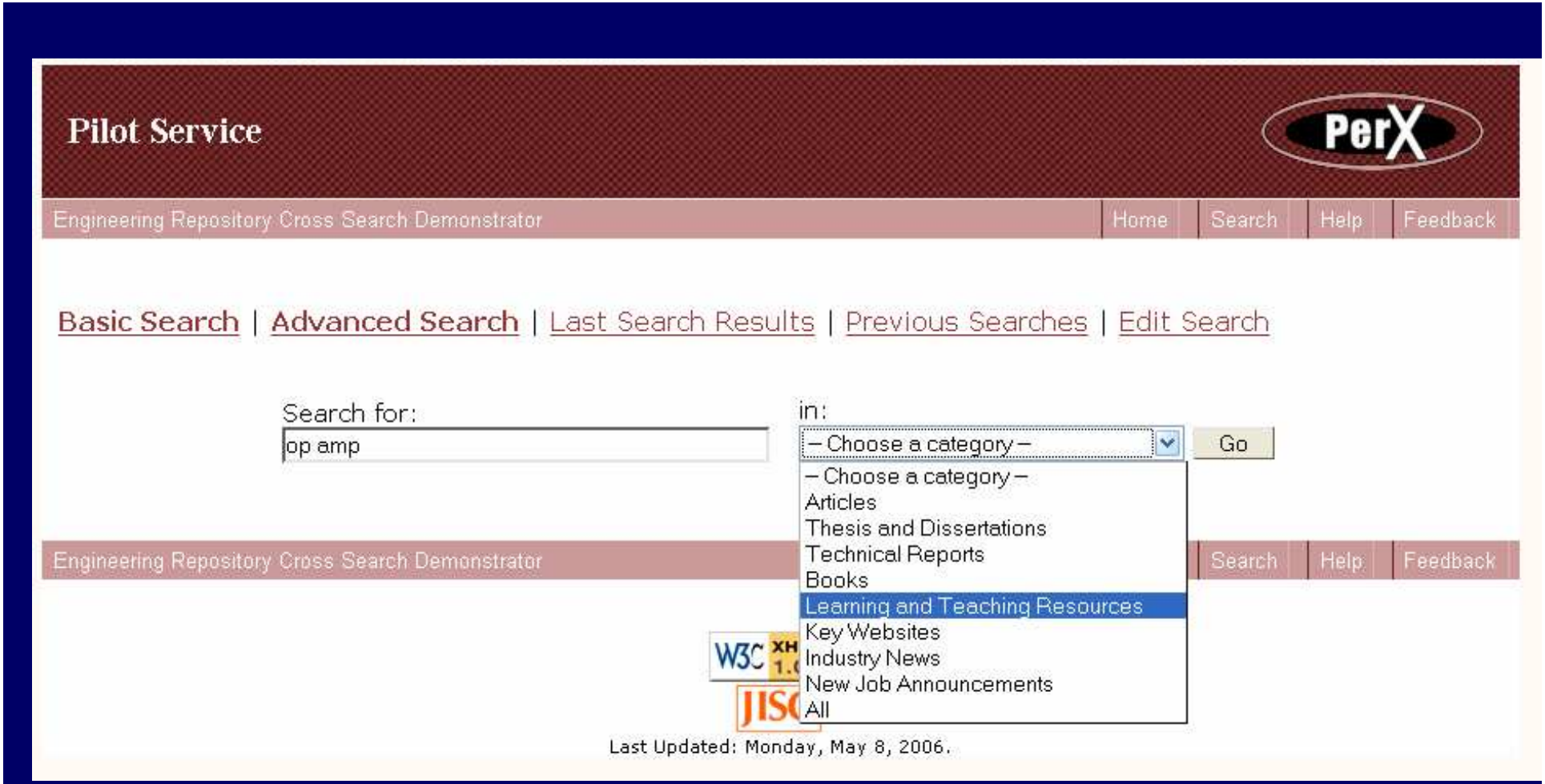
Getting it back out again

Discovery-to-delivery

- Discovery anywhere that can handle OAI-PMH / DC or LOM
  - Subject centres and RDN/Intute have obvious link with relevant community
- Delivery by Jorum User Service
  - Managed (persistent?) location
  - IPR clarity
  - Need institutions to subscribe

Example: PerX

- Prototype Engineering Repository Cross-search, based on Z39.50 and OAI-PMH
- Project page http://www.icbl.hw.ac.uk/perx
- Pilot service http://www.engineering.ac.uk/


Pilot Service
PerX
Engineering Repository Cross Search Demonstrator
Home
Search
Help
Feedback
Basic Search | Advanced Search | Last Search Results | Previous Searches | Edit Search
Search for:
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in:
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Articles
Thesis and Dissertations
Technical Reports
Books
Learning and Teaching Resources
Key Websites
Industry News
New Job Announcements
All
Engineering Repository Cross Search Demonstrator
Search
Help
Feedback
Last Updated: Monday, May 8, 2006.

Pilot Service

PerX

Engineering Repository Cross Search Demonstrator | Home | Search | Help | Feedback

Basic Search | Advanced Search | Last Search Results | Previous Searches | Edit Search

Search for amplifier in **Learning and Teaching Resources** collection found 22 records

Results Summary	Search status	No of results
Digital Library Network for Engineering and Technology	Finished	7 records - go to results
Geotechnical, Rock and Water Resources Library (GROW)	Finished	0 records
JORUM	Finished	6 records - go to results
National Engineering Education Delivery System (NEEDS)	Finished	5 records - go to results
SearchLT Engineering	Finished	4 records - go to results

Pilot Service

PerX

Engineering Repository Cross Search Demonstrator | Home | Search | Help | Feedback

Basic Search | Advanced Search | Last Search Results | Previous Searches | Edit Search

Results Summary

Search for amplifier in **Learning and Teaching Resources** found 22 records

- DLNET ✓ 7 records
- GROW ✓ 0 records
- JORUM ✓ 6 records
- NEEDS ✓ 5 records
- SearchLT ✓ 4 records

Useful Results?
Give us your feedback & win £100 Amazon Vouchers.

Results From: **JORUM** - View all results

Hits per page: 5 **10** 20 Highlighting: off

Displaying **1** to **6** of **6** records

Non-Ideal Operational Amplifiers (10) - Output Impedance

Abstract: Brief description of the output impedance of an operational amplifier, with the aid of a simple model diagram. (Learning...

View Full Record

Non-Ideal Operational Amplifiers (09) - Differential Input Impedance

Abstract: Brief description of the differential input impedance of an operational amplifier. (Learning...

View Full Record

Non-Ideal Operational Amplifiers (06) - Gain Derivation

Abstract: Complete derivation of the op-amp gain equation extracted visually from the simple op-amp model. (Learning...

View Full Record

Non-Ideal Operational Amplifiers (07) - Gain Magnitude Phase

Abstract: Op-amp gain and phase shift questions. (Learning...

View Full Record

Preview Object

'Non-Ideal Operational Amplifiers (
Output Impedance'

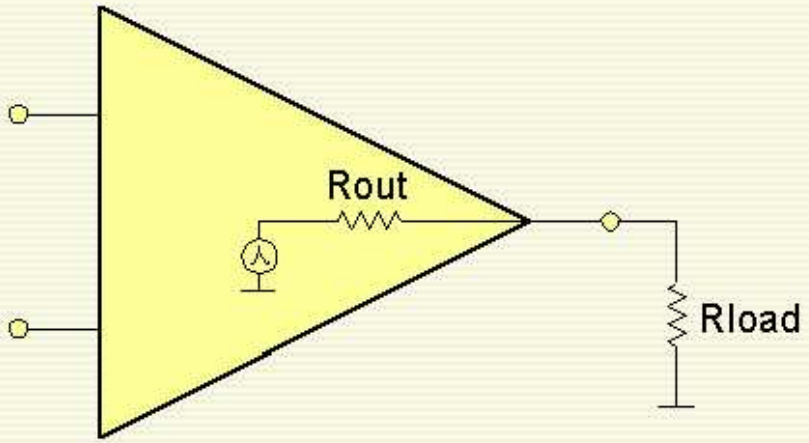
organizations

Non-Ideal Operational An

Non-Ideal Operational Amplifiers

Quit & Credits

The output impedance, Rout, is the effective source impedance seen by the load, as shown in the diagram below. A typical value for output impedance, which is resistive, can range from tens to thousands of Ohms. A typical 741 op amp has a nominal output resistance of 75 Ohms, but it will vary with change in output level and frequency.



Output Impedance

Summary

- Working to make existing resources more shareable
- Using the Jorum as repository
- Working towards distributed resource discovery