

ENTWICKLUNG DES LON-CAPA-NETZWERKS

Neuerungen (Version 2.11)

und

Blick in die Zukunft

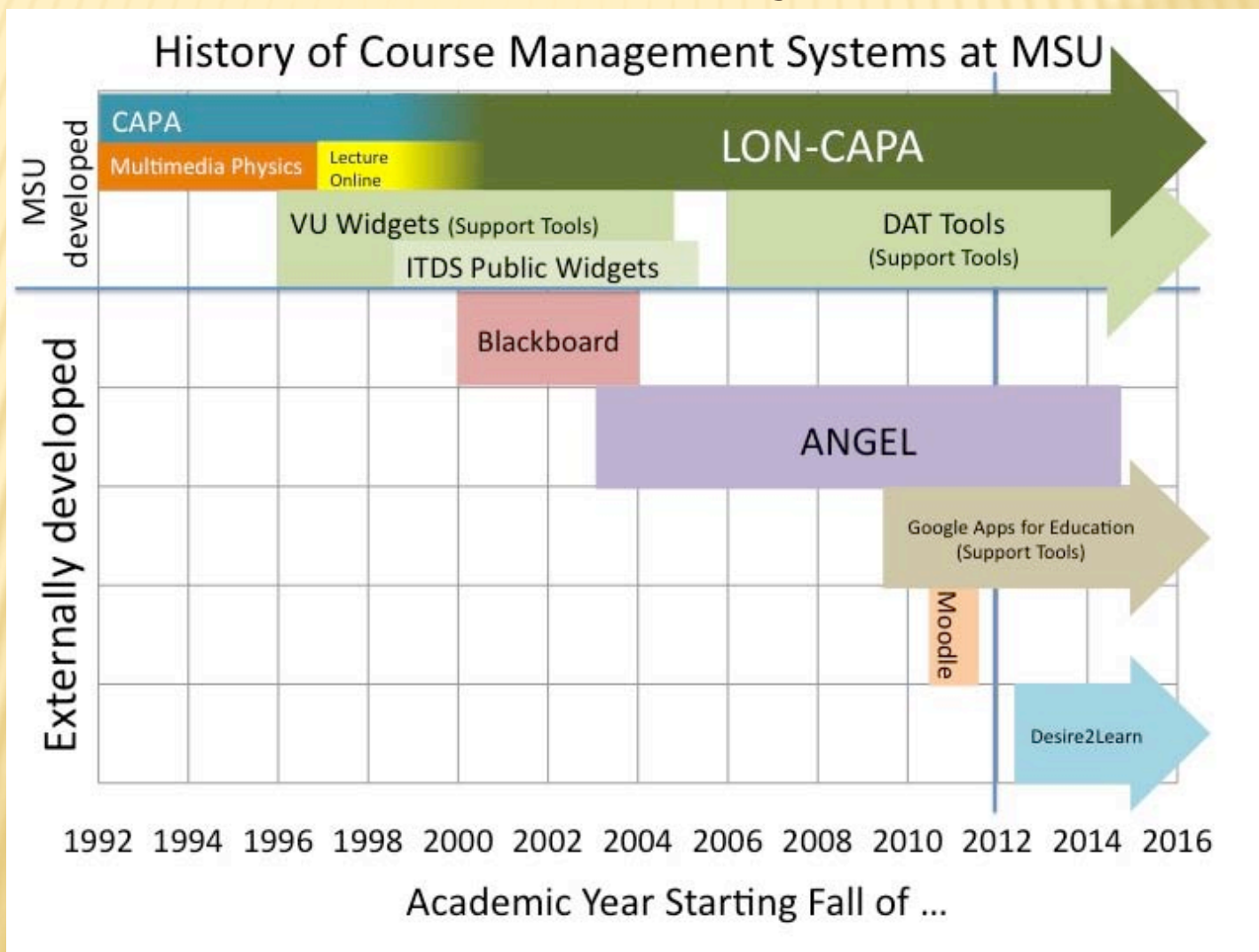
Gerd Kortemeyer

Viele Slides von

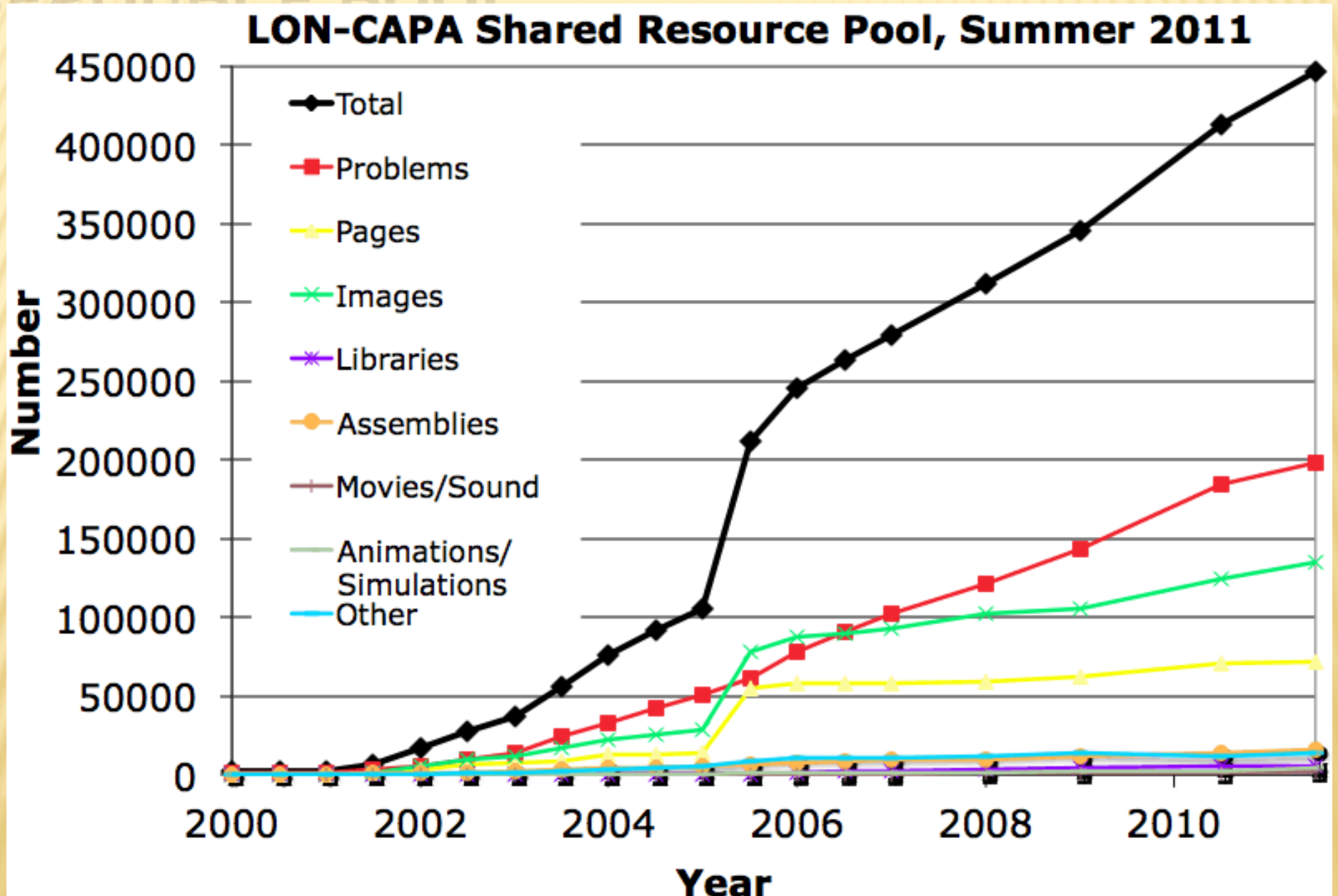
Technical Director **Stuart Raeburn**

20TH ANNIVERSARY

- ✘ LON-CAPA's 20th anniversary on September 2nd

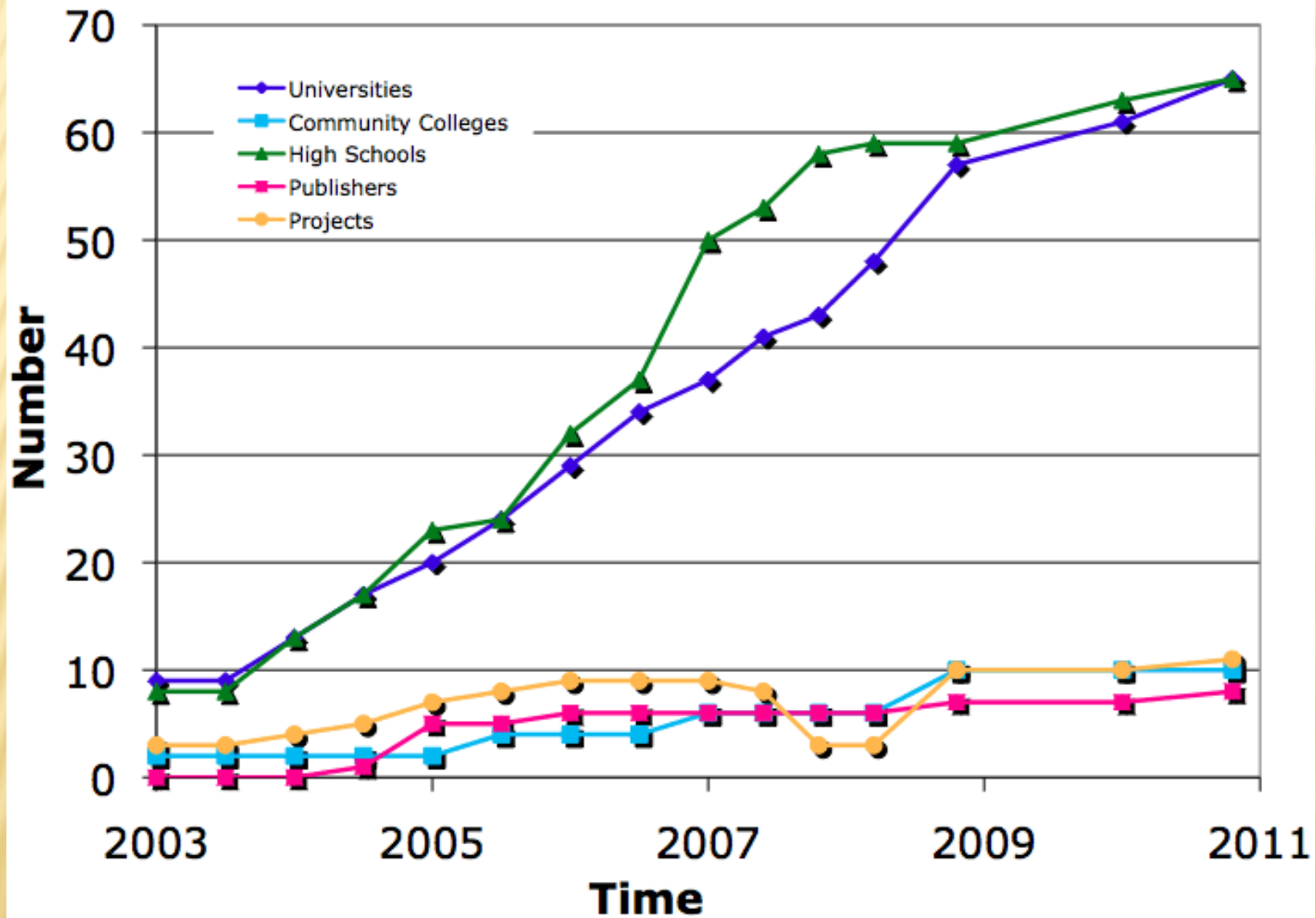


RESOURCE POOL

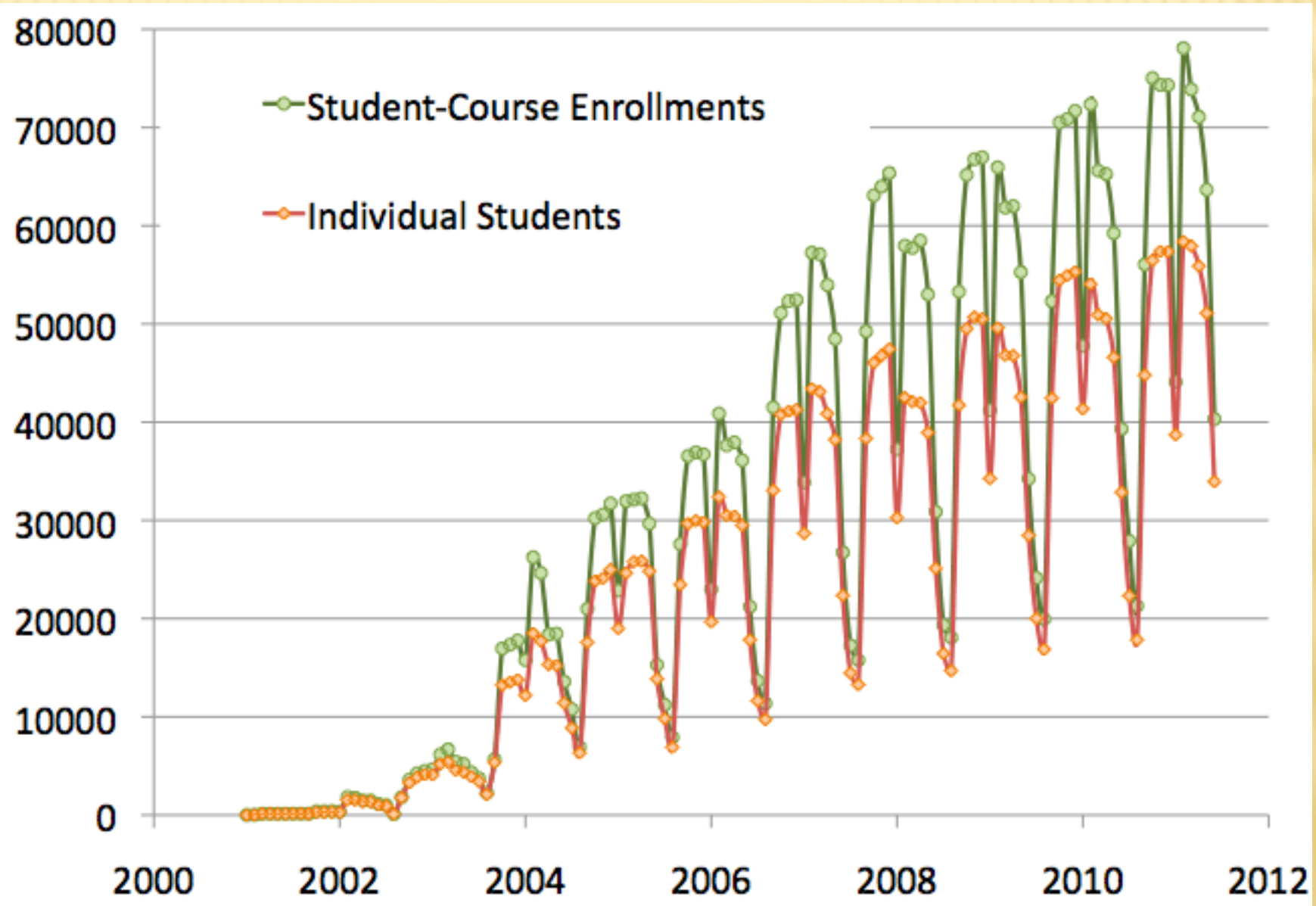


INSTITUTIONS

LON-CAPA Domains



COURSE ENROLLMENTS PER SEMESTER



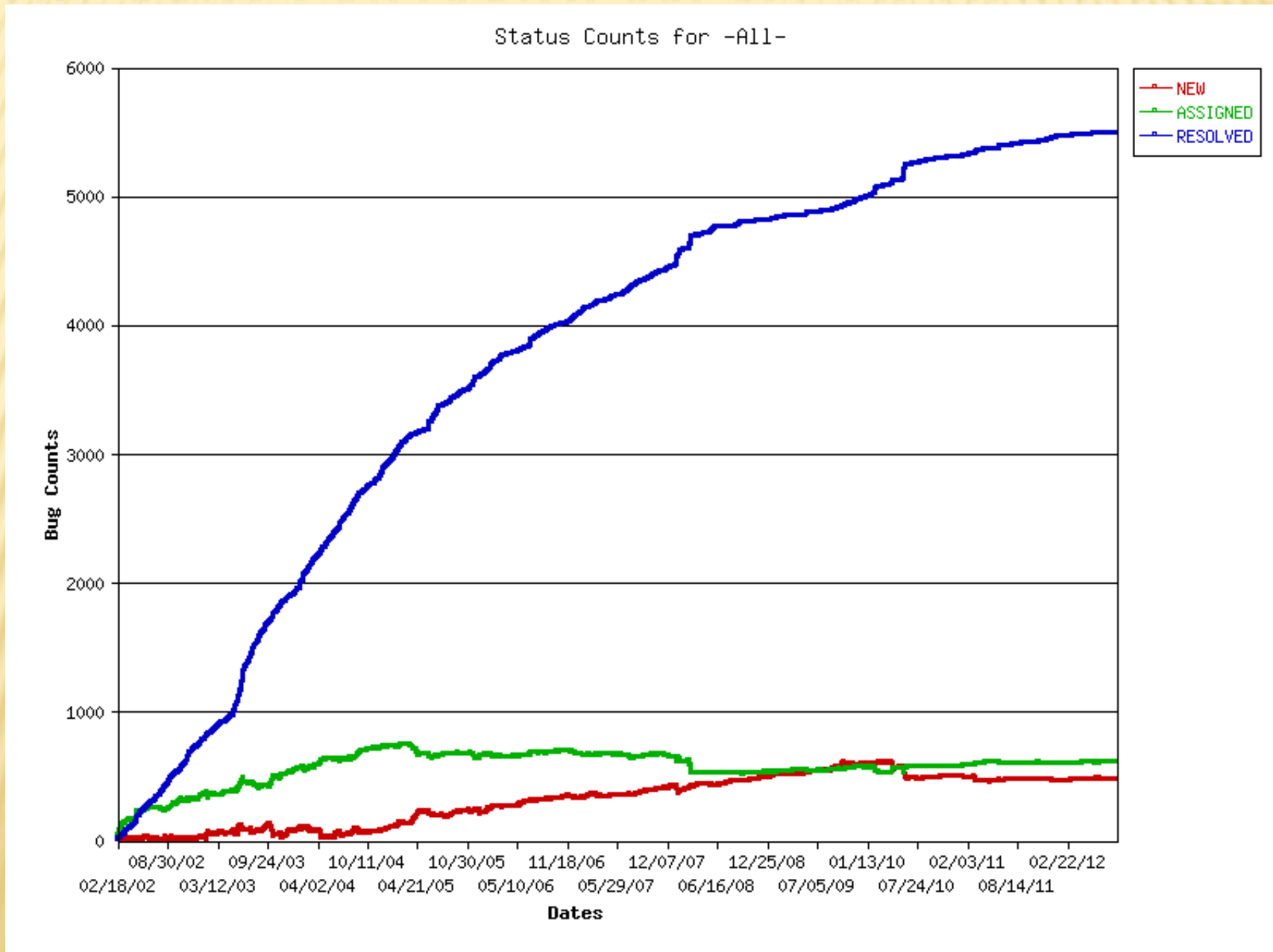
GROWTH

- ✘ Somehow, LON-CAPA grows linearly in most any aspect

VERSION 2.11

- ✘ Version 2.11 being finalized
- ✘ NOTE: Some of the new problem features that are presented today are already available in 2.10.1, but “hidden” (not advertised) or not yet completely implemented

BUGS AND ENHANCEMENT REQUESTS



WHAT'S NEW IN 2.11

- Interface changes
- Check for new roles
- Content upload directly to course
 - Upload zip files and decompress
 - Manage dependencies
- Online exams
 - Countdown
 - Content blocking (e.g., timed exams)
- Problems
 - Lenient grading for optionresponse
 - GeoGebra vectors
 - Pre-processing
 - Custom units
- Printouts disabled (printstart and printend)
- Stored Links

WHAT'S NEW IN 2.11

- Authoring Space on multi-domain servers
- WebDAV
- Discussion Voting
- MathJax math renderer
- Bubblesheet format
 - Number of bubbles per line on bubblesheet paper
- Domain Configuration
 - Offloading sessions
 - Dedicated load balancer
- Shibboleth Single Sign On

Interface: Contents 2.11 v 2.10

Stuart Raeburn (Course Coordinator) **Demonstration Course - October 2011** (More ...) **New Messages** Personal ▾ Roles Help Logout

Main Menu | **Contents** | **Course Editor** | **Grades ▾** | **People ▾** | **Settings ▾** | **What's New**

Switch course role to... ▾

← Demonstration Course - October 2011 » **Course Contents**

Main Content

Supplemental Content

Content Search

Tools: Sort by: Default ▾

? formula ✗ Was due last Wednesday, May 30 at 00:00 (EDT)

▶ Exam 1 (randomly ordered)

Stuart Raeburn (Course Coordinator) **Summer Workshop 2011 (raeburn)** (More ...) **New Messages** Roles Help Logout

Main Menu | **Return to Last Location** | **Course Contents** | **Course Editor** | **Groups**

Switch course role to... ▾

Summer Workshop 2011 (raeburn) » **Course Contents**

Tools: Sort by: Default ▾

Syllabus (hidden)

- ▶ Surveys
- ▶ Week One
- ▶ Week Two
- ▶ Week Three
- ▶ Course Groups

Interface: Content Editor 2.11 v 2.10

Stuart Raeburn (Course Coordinator) **Demonstration Course - October 2011** (More ...) **New Messages** Personal ▾ Roles Help Logout

Main Menu | **Contents** | **Course Editor** | **Grades ▾** | **People ▾** | **Settings ▾** | **What's New** | Switch course role to... ▾

← Demonstration Course - October 2011 » **Course Contents** Editing Course Contents ?

Content Editor | Supplemental Content Editor | Content Utilities

Main Course Content

↶ To Overview | Undo Delete | History | New Folder ? | Import Documents | Published Resources | Grading Resources | Collaboration | Special Documents

Move	Actions	Document	Settings
↑ (1) ▾ ↓	Remove Cut Rename Copy	? formula	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
↑ (2) ▾ ↓	Remove Cut Rename	Exam 1	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden <input type="checkbox"/> Randomly Pick <input checked="" type="checkbox"/> Random Order

Stuart Raeburn (Course Coordinator) **Summer Workshop 2011 (raeburn)** (More ...) **New Messages** Roles Help Logout

Main Menu | **Return to Last Location** | **Course Contents** | **Course Editor** | **Groups** | Switch course role to... ▾

Summer Workshop 2011 (raeburn) » **Course Editor** Editing the Table of Contents for your Course ?

Main Course Documents | Supplemental Course Documents

Main Course Documents » **Week Two**

Move	Actions	Document	Settings
↑ (1) ▾ ↓	Remove Cut Rename Copy	? User supplied input -- adding numbers	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
↑ (2) ▾ ↓	Remove Cut Rename	Example of Sequence Editing	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden <input type="checkbox"/> Random Order Randomly Pick: <input type="text"/> Save

New Folder ? | **Import Documents** | **Published Resources** | **Special Documents** | **Tools**

Interface: Content Editor 2.11 v 2.10

Content Editor **Supplemental Content Editor** **Content Utilities**






Administration

-  Verify Content [?](#)
-  Check/Set Resource Versions [?](#)
-  List Resource Identifiers

Export

-  Export contents to IMS Archive [?](#)
-  Dump Course Content to Authoring Space

New Folder [?](#) | **Import Documents** | **Published Resources** | **Special Documents** | **Tools** ▾

-  Recover Deleted Documents
-  Verify Content [?](#)
-  Check/Set Resource Versions [?](#)
-  Dump Course Documents to Construction Space [?](#)
-  IMS Export [?](#)
-  List Syms
-  Show Log

Interface – Check for new roles

Stuart Raeburn (Author) /msu/

Main Menu | **Construction Space** | **Browse** |

Menu » **User Roles**

Display

Show all roles

Changes?

Stuart Raeburn (Author) /msu/

Main Menu | **Construction Space** | **Browse** |

Menu » **User Roles**

Checking for new roles ... *No role changes*

Upload archive files (zip, tar etc.)

Content Editor Supplemental Content Editor Content Utilities

Main Course Content

To Overview Undo Delete History New Folder Import Documents Published Resources Grading Resources Collaboration Special Documents

Move	Actions	Document	Settings
(1)	Remove Cut Rename Copy	formula	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
(2)	Remove Cut Rename	Exam 1	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden <input type="checkbox"/> Randomly Pick <input checked="" type="checkbox"/> Random Order

External Resource
IMS Import

File

Uploaded educogdemo000start.zip

This file is a Camtasia archive file.

LON-CAPA can process the files automatically, or you can decide how each should be handled.
Process automatically? Yes No

Title for folder containing movie:	<input type="text" value="Tutorial01"/>
Title for page containing embedded movie:	<input type="text"/>

Extract contents

[Return to Editor](#)

- Folder: Tutorial01 added to course
- File: LON-CAPA Intro added to course
- /media included as a dependency
- /media/player.swf included as a dependency
- /media/educogdemo000start.mp4 included as a dependency
- /media/expressInstall.swf included as a dependency
- /media/swfobject.js included as a dependency
- /media/FirstFrame.png included as a dependency

Archive file removed.

[Return to Editor](#)

Managing dependencies

Math Rendering: [Change View](#)

[Edit](#)

[Manage Dependencies](#)

[Course View](#)



Michigan State University
Limited Field Trial
Hard Hats Required


[Post Discussion](#)

Managing dependencies

Status of dependencies in DemoWebPage (testdrivedemo.html)

Uploaded dependencies (in use)

Upload a new file to replace the one currently in use.

File	Size (KB)	Modified	Upload replacement?
 images/msutestdrive.gif	8.9	Fri Jun 1 03:33:20 pm 2012 (EDT)	<input type="checkbox"/> Yes

Save changes

[Close window](#)

COUNTDOWN TIMER

Stuart Raeburn (Course Coordinator) **January 8th Test Course** (More ...)

New Messages Personal ▾ Roles Help Logout

Main Menu | **Contents** | **Course Editor** | **Grades ▾** | **People ▾** | **Settings ▾** | **What's New** | Switch course role to... ▾

← → Course Contents » **formula**

Functions Edit Content Grades Content Settings Folder/Page Content

This resource "formula" is open for a limited time.

Once you click the "Show Resource" button below you have 2 minutes to complete this resource "formula".

Show Resource

Post Discussion

Send Feedback

Stuart Raeburn (Course Coordinator) **January 8th Test Course** (More ...)

New Messages Personal ▾ Roles Help Logout

Main Menu | **Contents** | **Course Editor** | **Grades ▾** | **People ▾** | **Settings ▾** | **What's New** | Switch course role to... ▾

← → Course Contents » **formula** ▶ **Due in: 0 d 00:01:35 - Submit Early**

Functions Edit Content Grades Content Settings Folder/Page Content

What is the derivative of $a * x^4$ with respect to x?

Submit Answer **Incorrect.** Tries 1/99 [Previous Tries](#)

Post Discussion

Send Feedback

BLOCKING DURING EXAMS

Stuart Raeburn (Course Coordinator) **January 8th Test Course** (More ...) **New Messages** Personal ▾ Roles Help Logout

Main Menu | **Contents** | **Course Editor** | **Grades ▾** | **People ▾** | **Settings ▾** | **What's New** |

← January 8th Test Course » Content and Problem Settings » **Blocking communication/content access** Blocking communication/content access

Blocking communication and/or content access during exams

For the duration of an exam, or a timed quiz, students in this course can be prevented from:

- displaying LON-CAPA messages sent by other students in the course
- displaying or posting to LON-CAPA discussion boards or live chat in the course
- accessing content in LON-CAPA portfolios or blogs
- generating printouts of course content
- accessing course content in specified folders or resources

Blocks can potentially interrupt legitimate communication between students who are also both enrolled in a different LON-CAPA course. Portfolio blocking can impact a student's ability to complete assignments in courses besides your own. Please use this feature wisely.

There are no blocking events currently saved.

Add new blocking event

Type	Event e.g., Exam 1	Blocked?
<input checked="" type="radio"/> Defined Start/End <input type="radio"/> Triggered by Activating Timer	<input type="text"/>	<input type="checkbox"/> Messaging <input type="checkbox"/> Chat Room
Choose dates		<input type="checkbox"/> Discussion <input type="checkbox"/> Portfolio
Start: <input type="text" value="June"/> <input type="text" value="1"/> <input type="text" value="2012"/> <input type="text" value="12 noon"/> <input type="text" value="40"/> m <input type="text" value="12"/> s EDT Select Date		<input type="checkbox"/> Groups <input type="checkbox"/> Blogs
End: <input type="text" value="June"/> <input type="text" value="1"/> <input type="text" value="2012"/> <input type="text" value="2 pm"/> <input type="text" value="40"/> m <input type="text" value="12"/> s EDT Select Date		<input type="checkbox"/> Printouts <input type="checkbox"/> Content

When using defined start/end times for an event, please set dates carefully.

Save

BLOCKING DURING EXAMS

Blocks can potentially interrupt legitimate communication between students who are also both enrolled in a different LON-CAPA course. Portfolio blocking can impact a student's ability to complete assignments in courses besides your own. Please use this feature wisely.

There are no blocking events currently saved.

Add new blocking event

Type	Event e.g., Exam 1	Blocked?
<input type="radio"/> Defined Start/End <input checked="" type="radio"/> Triggered by Activating Timer	<input type="text"/>	<input type="checkbox"/> Messaging <input type="checkbox"/> Chat Room
Choose trigger		<input type="checkbox"/> Discussion <input type="checkbox"/> Portfolio
<input type="radio"/> Timer for resource: <i>formula</i> (in: Main Course Documents)		<input type="checkbox"/> Groups <input type="checkbox"/> Blogs
		<input type="checkbox"/> Printouts <input type="checkbox"/> Content

Save

LENIENT GRADING (OPTIONRESPONSE)

Type Question Here.

This is statement FourA of concept Four. Green

A: Green B: Red

This is statement OneA of concept One. Green

A: Green B: Red

This is statement ThreeB of concept Three. Red

A: Green B: Red

This is statement TwoB of concept Two. Red

A: Green B: Red

Type Question Here.

Green: This is statement OneC of concept One. Green

A: Green B: Red

Green: This is statement TwoA of concept Two. Green

A: Green B: Red


Green: This is statement FourA of concept Four. Green

A: Green B: Red

Green: This is statement ThreeA of concept Three. Green

A: Green B: Red

You are partially correct.

Your receipt no. is 158-1029  [Previous Tries](#)


LENIENT GRADING (OPTIONRESPONSE)

[Main Menu](#)

[Contents](#)

[Reservations](#)

[Grades](#)

Switch course role to... 



Course Contents » **concept.problem**

Type Question Here.

This is statement OneC of concept One. Green

A: Green B: Red

This is statement TwoA of concept Two. Green

A: Green B: Red

This is statement FourA of concept Four. Green


A: Green B: Red

This is statement ThreeA of concept Three. Green

A: Green B: Red

[Submit Answer](#)

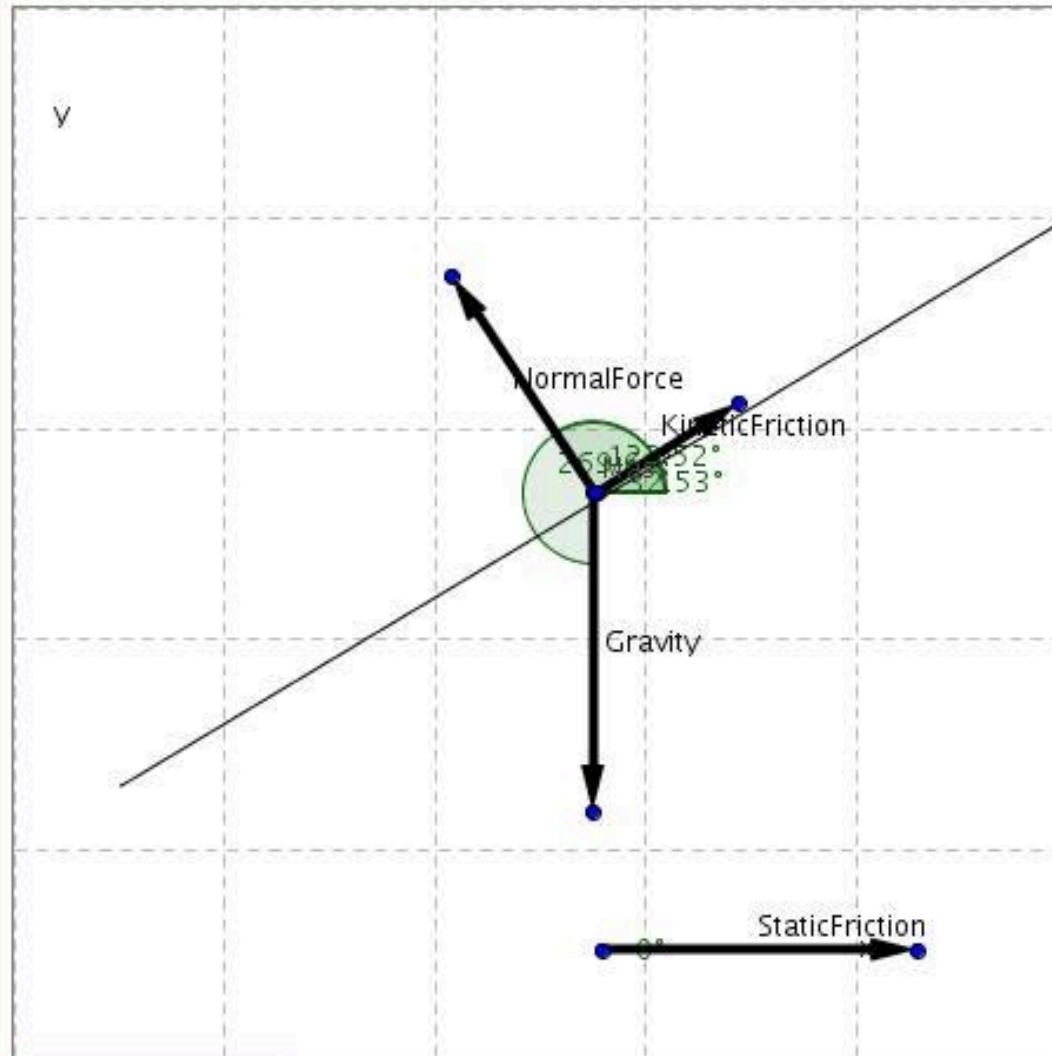
You are partially correct.

Your receipt no. is 158-1029 

Tries 1/99 [Previous Tries](#)

GEOGEBRA VECTORS

A mass is sliding down the indicated incline with a constant velocity. Construct the free body diagram, making sure the forces are approximately proportionally correct. Leave unused vectors unattached.



You are correct. Previous Tries

PREPROCESSING

- ✘ Process answer before submission
 - + numerical, formula, stringresponse, mathresponse
 - + specify pre-processing subroutine
- ✘ Allow numericalresponse to calculate inputline
("3*4+5.5")

CUSTOM UNITS

- ✘ Allow authors to define new units for numericalresponse

- + Define new unit in terms of old units

- <startouttext />You go to the market and buy \$pecks peck of apples and \$bushels bushel of potatoes. How much produce did you buy? Note that these are dry goods.<endouttext />

- + <numericalresponse answer="\$total" unit="L" format="3s">
<responseparam type="tolerance" default="5%" name="tol" description="Numerical Tolerance" />

- + <responseparam name="customunits" type="string_any" description="Custom-defined Units" default="peck=2*gallon,bushel=8*gallon,gallon=4.4*L" />
<textline readonly="no" /></numericalresponse>

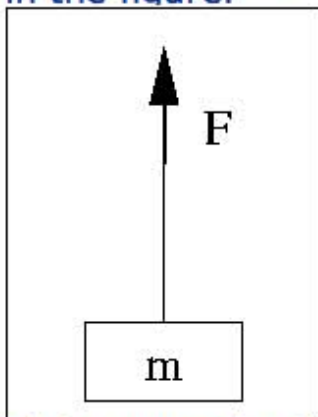
STORED LINKS

Functions Edit Add Link Add Folder Move Selected Delete Selected Save

Your Stored Links list is currently empty.

Functions Edit Content Grades Content

An $m = 8.75$ kg mass is suspended on a string in the figure.



If the upward velocity of the mass is 4.25 m/s, the upward acceleration is 5.22 m/s² (in m/s²)

LON-CAPA Save to Stored Links

Save to Stored Links

Link Title:	<input type="text" value="Mass pulled upward"/>
Path:	<input type="text" value="/res/msu/nagytibo/Mechanics/Dynamics/003a.problem"/>
Note:	<input type="text"/>

WebDAV access to Author Spaces

Stuart Raeburn (Domain Coordinator) /msu/ **New Messages** Personal ▾ Roles Help Logout

Main Menu

Menu » Settings to display/modify » **Display/Edit Settings** View/Modify Domain Settings

Blogs, personal web pages, webDAV, portfolios

User affiliation	Available tools				Portfolio quota	
Faculty/Academic Staff	<input checked="" type="checkbox"/> Personal web page	<input checked="" type="checkbox"/> Blog	<input checked="" type="checkbox"/> WebDAV	<input checked="" type="checkbox"/> Portfolio	20	Mb
Support Staff	<input checked="" type="checkbox"/> Personal web page	<input checked="" type="checkbox"/> Blog	<input checked="" type="checkbox"/> WebDAV	<input checked="" type="checkbox"/> Portfolio	20	Mb
Student	<input checked="" type="checkbox"/> Personal web page	<input checked="" type="checkbox"/> Blog	<input type="checkbox"/> WebDAV	<input checked="" type="checkbox"/> Portfolio	20	Mb
Other users	<input checked="" type="checkbox"/> Personal web page	<input checked="" type="checkbox"/> Blog	<input type="checkbox"/> WebDAV	<input checked="" type="checkbox"/> Portfolio	20	Mb
LON-CAPA Advanced Users (overrides affiliation, if checked)	<input checked="" type="checkbox"/> Personal web page	<input checked="" type="checkbox"/> Blog	<input checked="" type="checkbox"/> WebDAV	<input checked="" type="checkbox"/> Portfolio		

401 Authorization Required x

https://sandbox.loncapa.org/webdav/testdrive/raeburn/

Authorization

This server could not verify your credentials (e.g., bad password).

Apache/2.2.3 (CentOS) Server

The server sandbox.loncapa.org:443 requires a username and password. The server says: LONCAPA username, domain.

You supplied the wrong credentials required.

User Name:

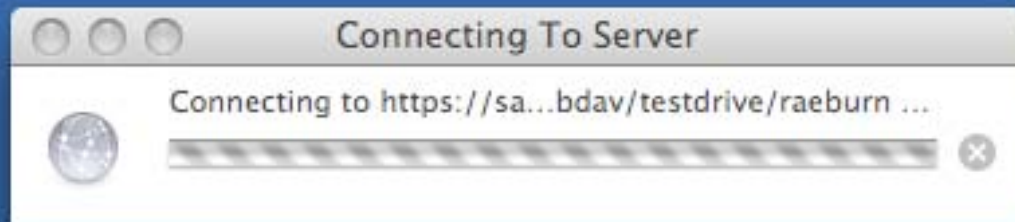
Password:

WEBDAV ACCESS TO AUTHOR SPACES

Index of /webdav/testdrive/raeburn

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 Parent Directory		-	
 OU/	03-Nov-2011 11:41	-	
 RC1/	25-Aug-2010 11:43	-	
 RC2/	06-Jun-2011 11:49	-	
 bug1320/	02-Nov-2011 19:34	-	
 bug5925/	31-Oct-2011 12:12	-	
 conceptgrouptemplate.problem	15-Sep-2011 22:11	1.7K	
 conf2009/	05-Aug-2010 13:32	-	
 flash/	29-Jun-2009 15:32	-	
 formularesponse.problem	20-Nov-2011 17:27	336	
 formularesponse.problem.bak	20-Nov-2011 17:26	320	
 formularesponse.problem.log	20-Nov-2011 17:30	933	
 formularesponse.problem.meta	20-Nov-2011 17:30	1.2K	
 formularesponse.problem.save	20-Nov-2011 17:27	328	

WEBDAV ACCESS TO AUTHOR SPACES



WebDAV File System Authentication

Enter your user name and password to access the server at the URL "https://sandbox.loncapa.org/webdav/testdrive/raeburn/" in the realm "LONCAPA username, domain."

Your name and password will be sent securely.

Name

raeburn

Password

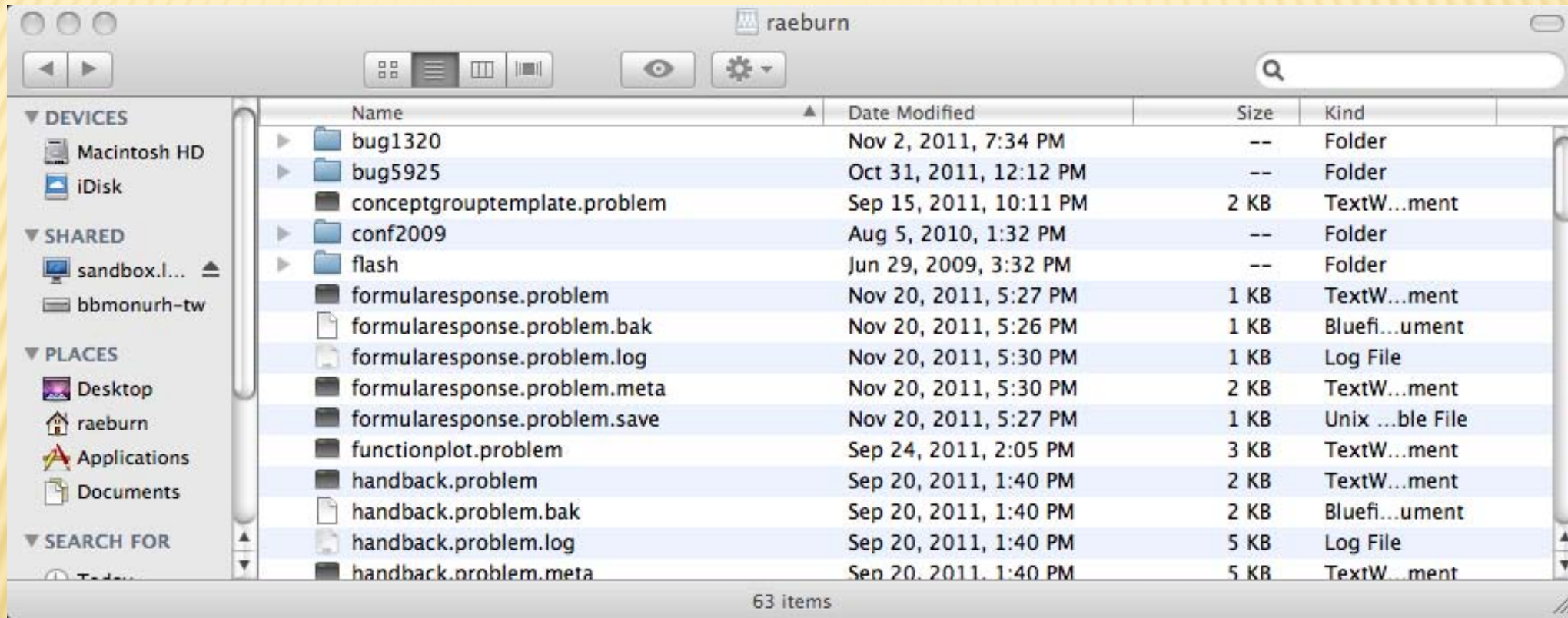
••••••••

Remember this password in my keychain

Cancel

OK

WEBDAV ACCESS TO AUTHOR SPACES



DISCUSSION VOTING

[Threaded View](#) [Chronological View](#) [Other Views ...](#)
[Export](#) [Undelete all deleted entries](#)

[My general preferences on what is marked as NEW](#)
[Mark NEW posts no longer new](#)

NEW Example [Stuart Raeburn \(raeburn:testdrive\)](#) [Hide](#) [Delete](#) [Reply](#) [Submissions](#) (Fri Jun 1 12:59:12 pm 2012 (EDT))

The answer to each of these items is available within the text.

  (1 likes)

My settings for this discussion: 1. Display - *All posts* 2. Not new - *Once marked not NEW* [Change](#)

[Threaded View](#) [Chronological View](#) [Other Views ...](#)
[Export](#) [Undelete all deleted entries](#)

[My general preferences on what is marked as NEW](#)
[Mark NEW posts no longer new](#)

MATHJAX – MATH RENDERER

Stuart Raeburn (Course Coordinator)

January 8th Test Course (More ...)

Main Menu

Contents

Course Editor

Grades ▾

People ▾

Settings ▾

What's New

Switch course role to... ▾

← January 8th Test Course » Set User Preferences » **Math display settings**

Change how math is displayed

Preferred method to display math:

Save

Examples

MathJax:

$$E_{\text{tot}} = \sum_{i=1}^N \frac{m_i c^2}{\sqrt{1 - \frac{v_i^2}{c^2}}} = \sum_{i=1}^N \gamma_i m_i c^2$$









MathJax provides rendered equations whose source code can be extracted in TeX and MathML formats by right clicking the equation.

DOMAIN COORDINATION

User session hosting/offloading

Domain server		Servers to offload sessions to when busy	
msu1 when busy, offloads to:	<i>primary</i>	None specified	Add new <i>primary</i> : <input type="text" value="Select"/>
	<i>default</i>	None specified	Add new <i>default</i> : <input type="text" value="Select"/>
testdrive4 when busy, offloads to:	<i>primary</i>	None specified	Session offloading controlled by domain: testdrive
	<i>default</i>	None specified	
Hosting of users from other domains			Rules
Nothing to set here, as the cluster to which this domain belongs only contains one institution.			
Hosting domain's own users elsewhere			Rules
Nothing to set here, as the cluster to which this domain belongs only contains one institution.			

DOMAIN COORDINATION

Dedicated Load Balancer 			
Server	Default destinations	User affiliation	Overrides
testdrive4 	Offloads to: <i>primary</i> <input checked="" type="checkbox"/> msu1	Faculty/Academic Staff	<input checked="" type="radio"/> Offloads to default destinations <input type="radio"/> Offloads to user's home server <input type="radio"/> Offloads to specific server:  <input type="radio"/> No offload
	<i>default</i> <input type="checkbox"/> msu1	Support Staff	<input checked="" type="radio"/> Offloads to default destinations <input type="radio"/> Offloads to user's home server <input type="radio"/> Offloads to specific server:  <input type="radio"/> No offload
		Student	<input checked="" type="radio"/> Offloads to default destinations <input type="radio"/> Offloads to user's home server <input type="radio"/> Offloads to specific server:  <input type="radio"/> No offload
		Other users from msu	<input checked="" type="radio"/> Offloads to default destinations <input type="radio"/> Offloads to user's home server <input type="radio"/> Offloads to specific server:  <input type="radio"/> No offload
		Advanced users from msu	<input type="radio"/> Offloads to default destinations <input type="radio"/> Offloads to user's home server <input type="radio"/> Offloads to specific server:  <input checked="" type="radio"/> No offload
		Users from msu with author role	<input checked="" type="radio"/> Offloads to default destinations <input type="radio"/> Offloads to user's home server <input type="radio"/> Offloads to specific server:  <input type="radio"/> No offload

SHIBBOLETH SSO

Touchstone@MIT

Welcome, please identify yourself to access MIT services.

Have an MIT certificate?

[Use Certificate - Go](#)

Always login with this

No certificate? Use Kerberos username

Username: @mit.edu

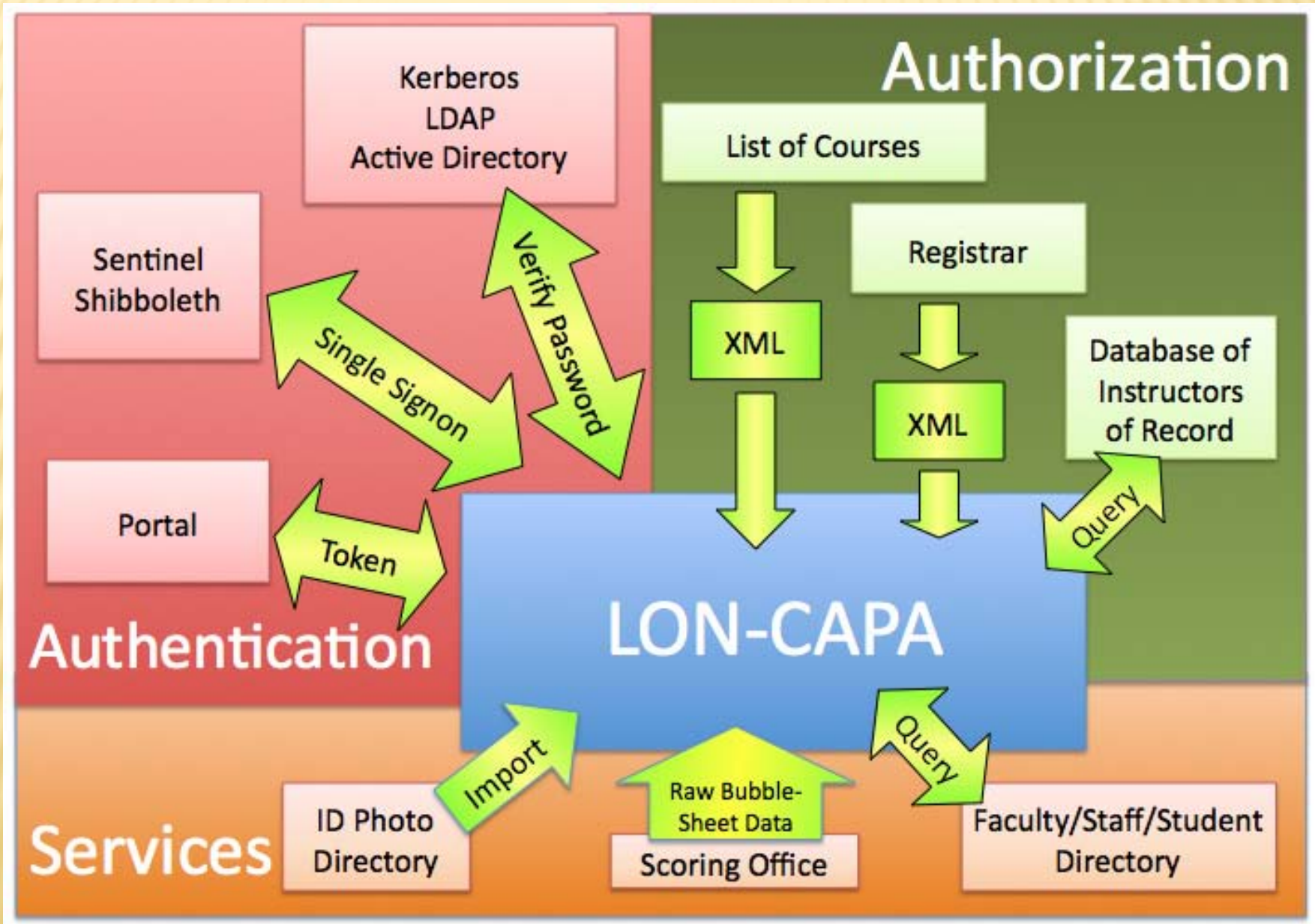
Password: [Login](#)

Have Kerberos tickets?

[Use existing tickets - Go](#)

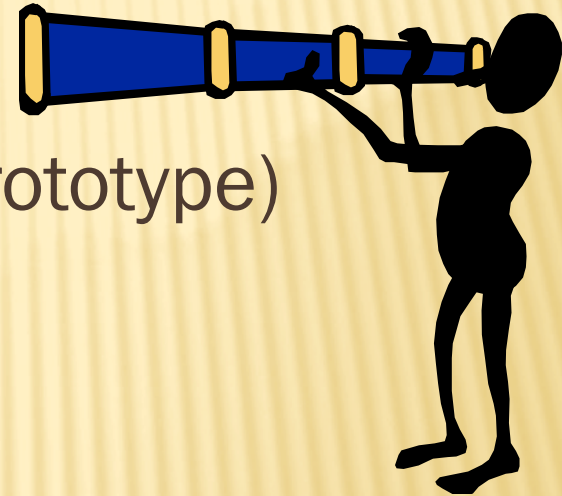
Always login with this

... PART OF LARGER GROWING INTEGRATION



... UND BLICK AUF DIE ZUKUNFT

- ✘ What's down the road?
 - + Recommender (currently in prototype)
 - + CourseWeaver Project



RECOMMENDER

✘ Like in online stores

The screenshot shows the Amazon.com homepage for user Gerd Kortemeyer. The top navigation bar includes the Amazon logo, a personalized greeting, and links for Today's Deals, Gifts & Wish Lists, and Gift Cards. A search bar is prominently displayed. Below the navigation, a horizontal menu offers various user actions like 'Your Amazon.com', 'Your Browsing History', and 'Recommended For You'. The main content area is titled 'Today's Recommendations For You' and features a carousel of six recommended items, each with a 'LOOK INSIDE!' banner. The items are: 'In Search of Schrödinger's Cat', 'NOVA: Solar Energy - Saved...', 'Evolution of Physics', 'Perl in A Nutshell', 'Regular Expression Pocket Reference', and 'Ideas And Opinions'. Each item includes a cover image, title, author, star rating, number of reviews, and price. Navigation arrows are visible on the left and right sides of the carousel.

amazon.com Hello, Gerd Kortemeyer. We have [recommendations](#) for you. (Not Gerd?)
Gerd's Amazon.com Today's Deals Gifts & Wish Lists Gift Cards

Your Amazon Browser
Internet Explorer 8 Optimized for Amazon.com
Your Account | Help

Shop All Departments Search All Departments GO Cart Wish List

Your Amazon.com Your Browsing History Recommended For You Rate These Items Improve Your Recommendations Your Profile Your Communities Learn More

Gerd, Welcome to Your Amazon.com (If you're not Gerd Kortemeyer, [click here.](#))

Today's Recommendations For You

Here's a daily sample of items recommended for you. Click here to [see all recommendations.](#) Page 2 of 30 (Start over)

- In Search of Schrödinger's...** (Paperback) by John Gribbin
★★★★☆ (55) \$12.24
[Fix this recommendation](#)
- NOVA: Solar Energy - Saved...** DVD ~ Steven...
★★★★☆ (6) \$17.99
[Fix this recommendation](#)
- Evolution of Physics** (Paperback) by Leopold Infeld
★★★★☆ (15) \$10.20
[Fix this recommendation](#)
- Perl in A Nutshell: A Desk...** (Paperback) by Ellen Siever
★★★★☆ (24) \$26.37
[Fix this recommendation](#)
- Regular Expression Pocket Re...** (Paperback) by Tony Stubblebine
★★★★☆ (28) \$10.19
[Fix this recommendation](#)
- Ideas And Opinions** (Paperback) by Carl Seelig
★★★★☆ (47) \$9.86
[Fix this recommendation](#)

✘ Based on usage information: context, access statistics

RECOMMENDER

 Search

[accounting \(640\)](#) [advertising \(2.000\)](#) [astronomy \(6.000\)](#) [biochemistry \(2.200\)](#) [biology \(50.000\)](#) [botany \(89.000\)](#) [chemistry \(36.000\)](#)
[computerscience \(1.200\)](#) [design \(450\)](#) [ecology \(1.700\)](#) [engineering \(2.200\)](#) [finance \(1.600\)](#) [geology \(2.400\)](#) [geometry \(550\)](#) [history \(260\)](#)
[languages \(13\)](#) [mathematics \(12.000\)](#) [medicine \(5.100\)](#) [nursing \(8\)](#) [nutrition \(590\)](#) [philosophy \(10\)](#) [physics \(110.000\)](#) [psychology \(530\)](#)
[statistics \(3.100\)](#) [zoology \(220\)](#)

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Next

RECOMMENDER

- ✘ Prototype on one server in the network:
- ✘ <http://vita2.ostfalia.de/>
- ✘ Login using your normal credentials (replace “Domain” by your domain)
- ✘ Go to Course Editor
- ✘ Click on Import

COURSEWEAVER

- ✘ Next generation of LON-CAPA
- ✘ CourseWeaver
- ✘ <http://www.courseweaver.org/>
- ✘ Officially launched at LON-CAPA Conference at UIUC, June 2012

COURSEWEAVER

- ✘ Updated infrastructure
 - + Dynamic cloud
- ✘ Better rights management
- ✘ Better information flow for dynamic metadata
- ✘ Cleanup, cleanup, ...
- ✘ Commercial content?
- ✘ Interface changes

LON-CAPA INTERFACE

DC 10



COURSEWEAVER INTERFACE

Airbus



COURSEWEAVER

- ✘ Estimates:
 - + Four years
 - + Four million dollars



THANKS!

- ✘ Gerd Kortemeyer
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- ✘ Stuart Raeburn
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