



CNX 2010 -- Enterprise Rhaptos Breakout Session



Enterprise Rhaptos

enterprise
rhaptos

Rhaptos

[contact us](#)

[home](#)

[content](#)

[lenses](#)

[mycnx](#)

you are here: [home](#) » welcome to rhaptos

Welcome to Rhaptos

Rhaptos is a web-based collaborative publishing system for educational material. It is based on [Plone](#), the Open-Source Content Management System and shares many of features. In Rhaptos,

- **Authors** collaborate in **workgroups** to create chunks of content called **modules**.
- The authors publish modules into a versioned **repository** that provides shared access to content.
- **Instructors** arrange published modules into a hierarchical

my account

Username

Password

- [Get an account](#)
- [Forgot your password?](#)

Enterprise Rhaptos

The screenshot shows a web browser window with three tabs: 'Connexions - Browse', 'Portal - Browse', and 'Module Test'. The main content area features the 'Rhaptos' logo and a navigation menu with items like 'home', 'content', 'lenses', 'about us', 'help', and 'myrhaptos'. A breadcrumb trail indicates 'you are here: home » content'. A text block explains that content is available in two formats: modules and collections, and mentions an open license. Below this is a 'Search for Content' section with a search input field and a 'search' button. A 'Limit search to:' section includes checkboxes for 'Title', 'Author', and 'Collections', along with a dropdown menu set to 'All Subjects'. A 'Browse Content' section contains a three-step process: 1. browse (with a list of filters like Subject, Title, Author, Keyword, Popularity, Language, Revision Date, Institution, and All Collections), 2. refine (with the instruction 'Click a link at left first.'), and 3. view (with the instruction 'Click a link at left first.'). On the right side, there are three panels: 'my account' with fields for 'Username' and 'Password' and a 'log in' button; 'repository' showing 'Total Collections: 1' and 'Total Modules: 2'; and 'recently viewed' showing 'Modules' with 'Module Test 2' listed.

Connexions - Browse Portal - Browse Module Test

log in contact us report a bug

Rhaptos

home content lenses about us help myrhaptos

you are here: home » content

The content in Portal comes in two formats: modules, which are like small "knowledge chunks," and collections, groups of modules structured into books or course notes, or for other uses. Our [open license](#) allows for free use and reuse of all our content.

Search for Content

Limit search to: Title Author Collections

All Subjects

Browse Content

1. browse

- Subject
- Title
- Author
- Keyword
- Popularity
- Language
- Revision Date
- Institution
- All Collections

2. refine

Click a link at left first.

3. view

Click a link at left first.

my account

Username

Password

- Get an account
- Forgot your password?

repository

Total Collections: 1
Visit a random collection

Total Modules: 2

recently viewed

Modules

- Module Test 2



CNX Comparison

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The content in Connexions comes in two formats:  modules, which are like small "knowledge chunks," and  collections, groups of modules structured into books or course notes, or for other uses. Our [open license](#) allows for free use and reuse of all our content.

Search for Content

[Search](#)

Limit search to: Title Author  Collections

All Subjects

Browse Content

1. BROWSE

- [Subject](#)
- [Title](#)
- [Author](#)
- [Keyword](#)
- [Popularity](#)
- [Language](#)
- [Revision Date](#)
- [Institution](#)
- [All Collections](#)

2. REFINE

Click a link at left first.

3. VIEW

Click a link at left first.

MY ACCOUNT

Username

Password

[Log in](#)

- [Get an account](#)
- [Forgot your password?](#)

REPOSITORY

 Total Collections: **979**
[Visit a random collection](#)

 Total Modules: **15836**
[Visit a random module](#)

RECENTLY VIEWED

Modules

 [Introduction](#)

Enterprise Rhaptos

related material

Collections using this module

- Collection test

recently viewed

Module Test

Module by: [Ed Woodward](#). [E-mail the author](#)

User rating (?): ★★★★★ (1 ratings)

Note: Firefox requires additional [mathematics fonts](#) to display MathML correctly. See our [browser support page](#) for additional details. You can always view the correct math in the [PDF version](#).

If the two examples below are mathematically the same, your browser is correctly displaying MathML, and you can [dismiss this message](#).


Your Browser's Rendering: $\frac{\sqrt{\frac{1}{2}}}{\sqrt{f(x+y)^2}} \frac{\sqrt{1}}{2} (\mathbb{R})$ Correct Rendering: $\frac{\sqrt{\frac{1}{2}}}{\sqrt{f(x+y)}} \frac{\sqrt{1}}{2} \left\langle \mathbb{R} \right\rangle$ (Hide examples)

From Harvested File: [duybt__Function.doc](#)

Without Templates

Theorem 1: $a_n x^n + \dots + a_1 x + a_0$ is $O(x^n)$ for any real numbers a_n, \dots, a_0 and any nonnegative number n .

CNX Comparison

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You are here: [Home](#) » [Content](#) » Continuous-Time Convolution

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Continuous-Time Convolution

Module by: [Melissa Selik](#), [Richard Baraniuk](#). [✉ E-mail the authors](#)

User rating (?): ☆☆☆☆☆ (0 ratings)

Summary: Defines convolution and derives the Convolution Integral.

Motivation

Convolution helps to determine the effect a system has on an input signal. It can be shown that a [linear, time-invariant system](#) is completely characterized by its impulse response. At first glance, this may appear to be of little use, since impulse functions are not well defined in real applications. However, the [sifting property of impulses](#) tells us that a signal can be decomposed into an infinite sum (integral) of scaled and shifted impulses. By knowing how a system affects a single impulse, and by understanding the way a signal is comprised of scaled and summed impulses, it seems reasonable that it should be possible to scale and sum the impulse responses of a system in order to determine what output signal will results from a particular input. This is precisely what convolution does - **convolution determines the system's output from knowledge of the input and the system's impulse response.**

LENSES

[What is a lens?](#)

This content is ...

Affiliated with (?)

- [OrangeGrove](#)

Also in these lenses

- [richb's DSP](#)

RELATED MATERIAL

Collections using this module

- [Signals and Systems](#)
- [Communication Systems](#)

RECENTLY VIEWED

Enterprise Rhaptos Team



Alan Runyan - CEO of Enfold Systems

C O N N E X I O N S
C O N S O R T I U M



Connexions Community

[Twitter](#)

The screenshot shows the Twitter profile for 'cnxorg'. The profile name is 'cnxorg' with a logo featuring a stylized 'X' inside a square. The bio states: 'Name: Connexions, Location: Houston, Texas, Web: <http://bit.ly/cnxorg>. Bio: Connexions is a place to create, share, and use open learning materials such as textbooks, courses, and journals.' The profile has 'Follow' and 'Lists' buttons. A tweet from 'cnxorg' is visible: 'Speakers, Panels, and Breakout Sessions at the Connexions Conference <http://bit.ly/aG...> 8:16 AM Jan 27th from twitterfeed'. Below it are several other tweets from 'cnxorg' with dates ranging from Dec 2009 to Jan 2010.

[Facebook](#)

The screenshot shows the Facebook page for 'Connexions'. The page header includes the Facebook logo and a login section with fields for 'Email' and 'Password' and a 'Login' button. Below the header is a 'Sign Up' button and a message: 'Connexions is on Facebook. Sign up for Facebook to connect with Connexions.' The main content area features a 'Wall' tab and a post from 'Connexions' with the text: 'Connexions allows authors, educators, and learners to access a rich repository of open-licensed content...'. There is also a 'Just Fans' section showing profile pictures of users like 'James and Mary' and 'the conneXions blog crew'.

[CNX blog](#)

The screenshot shows the homepage of 'the connexions blog' at blog.cnx.org. The page features a header with the blog title and logo. Below the header is a section titled 'RECENTLY UPDATED CONTENT ON CONNEXIONS' with a list of articles: 'MILLENNIUM DEVELOPMENT GOAL - Thursday, January 20, 2010', 'GENDER IN AFRICA, MILLENNIAL RETROSPECTION AND PROSPECTS - Thursday, January 28, 2010', 'Newell, F. (March 2010). Technology Disconnected: Teacher Technological Literacy as an Unresolved Reform Issue - Thursday, January 28, 2010', 'Education Leadership Review, Volume 11, Number 1; March 2010 - Wednesday, January 27, 2010', and 'Brinkson, D., Hensley, P., & Kinsey, G. (April 2010). Lessons Learned: Transitioning from K-12 to the Professional - Wednesday, January 27, 2010'. There is also a section titled 'ABOUT THIS BLOG' with text: 'The Connexions Blog is a semi-official source of news, information, and discussion about Connexions...'. At the bottom, there is a date 'WEDNESDAY, JANUARY 27, 2010' and a post titled 'Speakers, Panels, and Breakout Sessions at the Connexions Conference' by Katherine Fletcher at 9:01 AM. Another post titled 'Connexions Conference 2010' is also visible.



Connexions

www.cnx.org

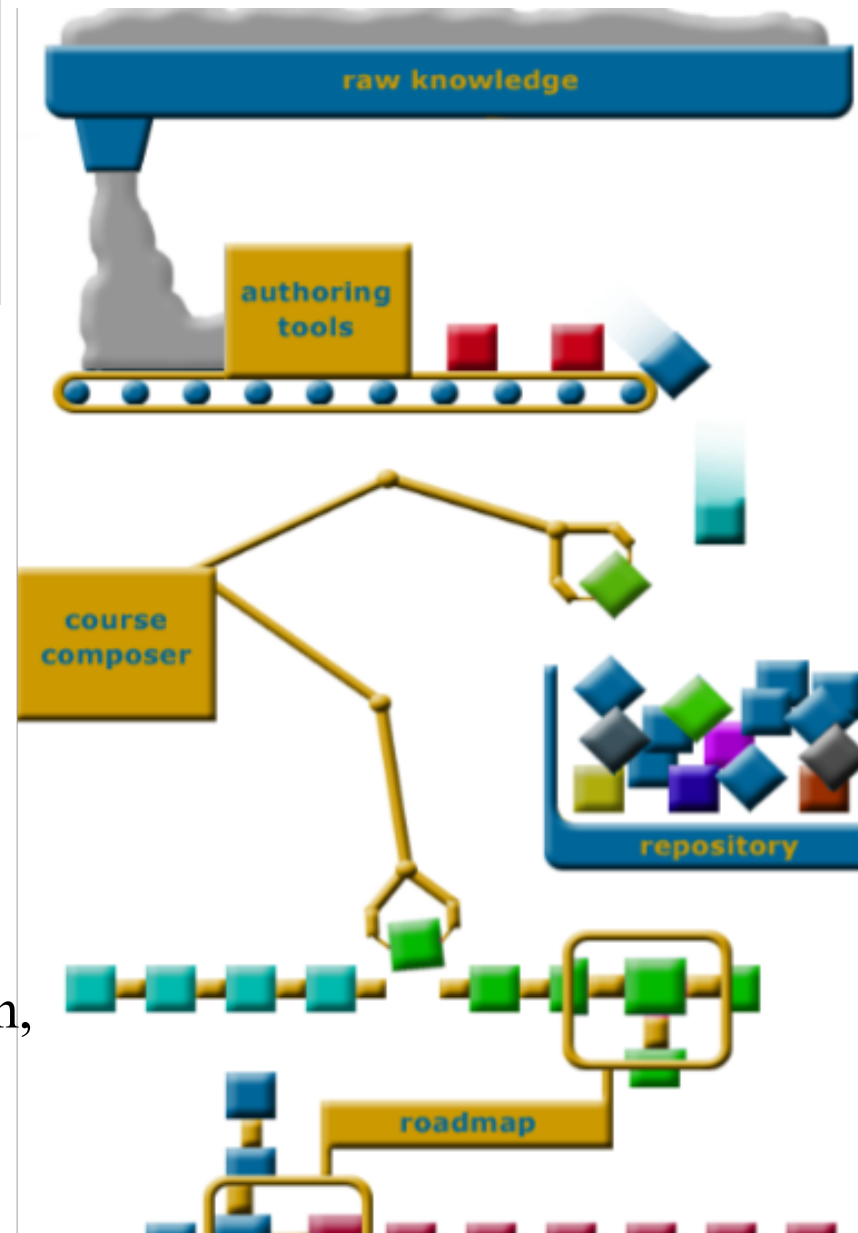
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