SensusAccess
Empowering Students to Become Self-Sufficient When Studying Online

Lars Ballieu Christensen
Advisor, Ph.D., M.Sc.

Tanja Stevns
Director, Special Education Teacher
SensusAccess

• Self-service alternate media and media remediation solution

• SensusAccess
  1. Produces MP3 audio files
  2. Produces structured audio books
  3. Produces e-books
  4. Produces digital Braille books
  5. Converts inaccessible and tricky documents into more accessible formats

• Supports multitude of languages
Why SensusAccess?

• Independence and self-sufficiency
• Inclusion in education and vocation
• Long-term strategy
• Inclusive
• Availability
• Privacy
• Multiple formats; reflection
• Accessibility support in online education
SensusAccess Users

• Users with disabilities
  – Blind, partially sighted, reading impaired, learning disorders, …

• At-risk students

• Mainstream students, faculty
  – Poor language skills, different learning styles, foreign language skills, …

• Material production
  – Alternate media professionals, student workers, faculty, professionals, administrators, …
Self-Sufficiency

• Converts documents from any source, any platform, anywhere
  – Inside the LMS
  – Outside the LMS
  – From publishers, databases, scanners, cameras
  – Students own documents

• Supported by comprehensive, accessible e-learning resources
  – Stand-alone
  – Linked in error messages
SensusAccess at a glance

Well-known technologies
Audio, Braille, DAISY, e-books, OCR, translation, clean-up, remediation, AI/ML, office automation, ...

Automated Workflows
MP3, EBOOK, DAISY, BRAILLE, Remediation, Translation

Document formats
.DOC, .DOCX, .PPT, .PPTX, .HTM, .HTML, .XML, .TXT, .ASC, .RTF, .PDF (all types), .EPUB, .MOBI, .TEX, .TIF, .GIF, .BMP, .JPEG, .JPG, .J2K, .JP2, .JPX, .PCX, .DCX, .PNG, .DJV

Languages
All major and many smaller European languages, US English, LA Spanish, Arabic, Russian, several Asian languages and more
Alternate media made easy

Follow the four easy steps below to have your document converted into an alternative, accessible format. The result is delivered in your email inbox. You may upload one or more files, enter a URL to a file or simply type in the text you wish to have converted. The form expands as you make your selections.

Source

- File
- URL
- Text

Step 1 - Upload your document

Select your file and upload it to the server (max 64 MB). Multiple files of the same type may be selected. Supported file types are .DOC, .DOCX, .PDF, .PPT, .PPTX, .TXT, .XML, .HTML, .HTM, .RTF, .EPUB, .MOBI, .TIFF, .TIF, .GIF, .JPEG, .PNG, .PCX, .DCX, .J2K, .JP2, .JPX, .DJV, .TEX and .ASC

File name: Choose Files no files selected  Upload

© 2020 Sensus ApS. All rights reserved. Powered by RoboBraille®. 4.2.03
SensusAccess LTI

SensusAccess LTI is requesting access to your account.

You are authorizing this app as Lars Ballieu Christensen. Your email address is lbc@sensus.dk.

[Authorize]
Follow the steps below to have your document converted into an alternative, accessible format. Please note that only documents from the current course are available for conversion. The conversion will start automatically after selecting the desired delivery method.

When choosing the direct download delivery method do not refresh or close this page as the file will be delivered directly to your browser. Depending on the conversion type and file size longer waiting times may incur. For large files it is recommended to use the email delivery method.
Follow the steps below to have your document converted into an alternative, accessible format. Please note that only documents from the current course are available for conversion. The conversion will start automatically after selecting the desired delivery method.

When choosing the direct download delivery method do not refresh or close this page as the file will be delivered directly to your browser. Depending on the conversion type and file size longer waiting times may incur. For large files it is recommended to use the email delivery method.

File selection

Requested conversion

Accessibility conversion  MP3
E-book  Braille

Return to course
Follow the steps below to have your document converted into an alternative, accessible format. Please note that only documents from the current course are available for conversion. The conversion will start automatically after selecting the desired delivery method.

When choosing the direct download delivery method do not refresh or close this page as the file will be delivered directly to your browser. Depending on the conversion type and file size longer waiting times may incur. For large files it is recommended to use the email delivery method.

File selection

Requested conversion

Accessibility conversion

E-book

MP3

Braille

Conversion parameters

Target format: docx - Microsoft Word

Delivery method

Campus email

Download
The purpose of the present Convention is to promote, protect and ensure the full and equal enjoyment of all human rights and fundamental freedoms by all persons with disabilities, and to promote respect for their inherent dignity.

**British English**

The purpose of the present Convention is to promote, protect and ensure the full and equal enjoyment of all human rights and fundamental freedoms by all persons with disabilities, and to promote respect for their inherent dignity.

**American English**

The purpose of the present Convention is to promote, protect and ensure the full and equal enjoyment of all human rights and fundamental freedoms by all persons with disabilities, and to promote respect for their inherent dignity.

**French**

La présente Convention a pour objet de promouvoir, protéger et assurer la pleine et égale jouissance de tous les droits de l’homme et de toutes les libertés fondamentales par les personnes handicapées et de promouvoir le respect de leur dignité intrinsèque.

**German**

Zweck dieses Übereinkommens ist es, den vollen und gleichberechtigten Genuss aller Menschenrechte und Grundfreiheiten durch alle Menschen mit
In the text, you go through this process for quadratic equations in general. The definition of a quadratic equation is any equation that can be written in the form:

\[ ax^2 + bx + c = 0 \]

where \( a \neq 0 \)

By completing the square on this formula:

\[ x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \]

This formula can then be used to solve quadratic equations.

Kenny M. Felder

This work is produced by The Connexions Project and licensed under the Creative Commons Attribution License.

Abstract

This module discusses the quadratic formula.

In "Solving Quadratic Equations by Completing the Square" I talked about the common mathematical trick of solving a problem once, using letters instead of numbers, and then solving specific problems by plugging numbers into a general solution.

In the text, you go through this process for quadratic equations in general. The definition of a quadratic equation is any equation that can be written in the form:

\[ ax^2 + bx + c = 0 \]

where \( a \neq 0 \)
Math 321 LaTeX Sample Document

Jenny K. Student

Here is some sample text to show you what LaTeX does.

To start a new paragraph, you need to leave a line of white space in your tex file.

To include math, you have two options. The first is called “in line,” and you do this by putting your math between two dollar signs ($). For example, Fermat’s Little Theorem tells us that if \( p \) is a prime and \( a \) is an integer such that \( p \mid a \), then \( a^{p-1} \equiv 1 \pmod{p} \). Note that the exponent on \( a \) has to go in braces (in the tex file).

But if you really want an equation (or congruence) to stand out, then you “display” the math. It looks like this:

\[
a^{p-1} \equiv 1 \pmod{p}.
\]

Nice, right?

Finally, we can make things look really nice for homeworks as follows:

**Problem 1.** Let \( X \) and \( Y \) be blah blah blah …

**Problem 2.** Let \( X \) and \( Y \) be as in the previous problem. What is \( Z \)?

Notice that LaTeX automatically numbers the problems for us.
SensusAccess e-learning

Introduction to the course

Introduction to SensusAccess

20 mins

Simple conversions
- Producing MP3 files
- Converting inaccessible and tricky documents
- Producing simple e-books

20 mins each plus exercises

Advanced conversions
- Designing and creating accessible documents
- Producing advanced e-books
- Producing DAISY talking books

25 mins each plus exercises

Special conversions
- Producing Braille

25 mins each plus exercises

http://www.sensusaccess.com/sensusaccess-e-learning
Try out at
www.SensusAccess.com
Resources

- https://www.sensusaccess.com
- https://lti.sensusaccess.com
- Promo video to students (single page)
- Promo video to students (side-by-side)
- SensusAccess LTI for Canvas
- SensusAccess LTI for Moodle
- SensusAccess LTI for Blackboard Learn
- SensusAccess LTI for Sakai
- SensusAccess LTI for D2L
An award-winning service


2016: Recognized as example of solution with outstanding impact on Inclusive Education and accessible ICT (Zero Project, Austria)

2012: Recognized as example of good practice in the implementation of the UN Convention on the Rights of People with Disabilities (Zero Project, Austria)

2012: WISE Award for Inclusion in Education (Qatar)

2011: Finalist, The Braille 21 Award, World Blind Union (Germany)

2010: BETT Award for best Special Education Needs solution (UK)

2009: Access IT Award for Learning for most affordable eLearning solution (UK)

2009: National eWell-Being Award for ”Reaching the Digitally Excluded” (UK)

2008: European Commission eInclusion Award for e-Accessibility (EU)

2008: Well-Tech Award for Innovation and Accessibility (Italy)

2007: British Computer Society's Social Contribution Award (UK)
Questions; comments
Contact information

Lars Ballieu Christensen
• Mail: lars@sensus.dk
• Phone: +45 40 32 68 23

Tanja Stevns
• Mail: tanja@sensus.dk
• Phone: +45 23 24 06 72

www.sensusaccess.com