

# A Short Introduction to Dokuwiki

David Christle

# What is a wiki?

- Server-side software that allows easy collaborative editing and linking of articles
- Supports text, images, tables, equations, attachments, links to internal/external sites
- Easy to use (no HTML knowledge required) but still very powerful

The screenshot shows a web browser displaying the Wikipedia article "Atomic bombings of Hiroshima and Nagasaki". The browser's address bar shows the URL: [http://en.wikipedia.org/wiki/Atomic\\_bombings\\_of\\_Hiroshima\\_and\\_Nagasaki](http://en.wikipedia.org/wiki/Atomic_bombings_of_Hiroshima_and_Nagasaki). The article text begins with: "The atomic bombings of Hiroshima and Nagasaki were nuclear attacks during World War II against the Empire of Japan by the United States of America at the order of U.S. President Harry S. Truman. After six months of intense firebombing of 67 other Japanese cities, the nuclear weapon "Little Boy" was dropped on the city of Hiroshima on August 6, 1945, followed on August 9, 1945 by the detonation of the "Fat Man" nuclear bomb over Nagasaki. These are to date the only attacks with nuclear weapons in the history of warfare." Below the text is a table of contents with 13 sections, including "The Manhattan Project", "The Potsdam ultimatum", "Hiroshima", "Nagasaki", and "The surrender of Japan and subsequent occupation". There are two images of mushroom clouds: one from Hiroshima and one from Nagasaki. The browser's left sidebar shows the Wikipedia logo and navigation links like "Main Page", "Contents", and "Random article".

# Our wiki site

The screenshot shows the Physics Intranet website. At the top left is the University of Minnesota logo and name. Below it is the School of Physics & Astronomy logo, which includes a yellow spiral graphic. The main content area is titled "PHYSICS INTRANET" and "Physics 4960H". It contains a welcome message, a link to "Weekly Minutes", a link to "Weekly Agendas", and a PDF attachment link labeled "here". A navigation bar at the bottom of the content area includes buttons for "Edit this page", "Old revisions", "Recent changes", "Logout", "Index", and "Back to top". The footer contains copyright information and a last modified timestamp.

UNIVERSITY OF MINNESOTA

One Stop | Directories | Search U of M

a school of the institute of technology  
**school of physics & astronomy**

**Physics INTRANET**  
You are here: [About the Intranet](#) » [Course Wiki](#) » [Physics 4960H](#)

**Physics 4960H**

Welcome to the Physics 4960H homepage! Weekly minutes are posted on the [Weekly Minutes](#) page.  
The agenda for each week will eventually be posted on the [Weekly Agendas](#) page.  
A copy of Dan's talk is attached [here](#).

[Edit this page](#) [Old revisions](#) [Recent changes](#) [Logout](#) [Index](#) [Back to top](#)

©2005-2007 Regents of the University of Minnesota. All rights reserved.  
The University of Minnesota is an equal opportunity educator and employer.

[Contact U of M](#) | [Privacy](#) | [Sitemap](#)  
classes/4960h/home.txt · Last modified: 2008/01/29 11:22 by christle

**Physics**  
About Us  
People  
Research  
Undergraduate  
Graduate  
Alumni  
Outreach  
Resources

**Graduate Application**  
Courses  
Calendar

<https://zzz.physics.umn.edu/classes/4960h/home>

- What can the software do?
  - This page contains two internal links (to our own site) and a PDF attachment of Dan's talk from last week

# Editing content

## PHYSICS INTRANET

You are here: [About the Intranet](#) » [Course Wiki](#) » [Physics 4960H](#)

Edit the page and hit Save. See [Formatting Syntax](#) for Wiki syntax. Please edit the page only if you can **improve** it. If you want to test some things, learn to make your first steps on the [playground](#).



```
===== Physics 4960H =====
```

```
Welcome to the Physics 4960H homepage! Weekly minutes are posted on the [[Weekly Minutes]] page.
```

```
The agenda for each week will eventually be posted on the [[Agenda]] page.
```

```
A copy of Dan's talk is attached {{classes:4960h:physics_4960h.pdf|here}}.
```

### • How do we edit?

- Physics accounts
  - I need list for access
  - New accounts can e-mail [net@physics.umn.edu](mailto:net@physics.umn.edu) to get one setup.
    - Passwords can be picked up in S43, or the staff can use gpg to send the password via e-mail (of course this requires a public key exchange)
- Need to know some basic wiki syntax
  - Toolbar provides most of what everyone needs to know
  - Clicking each button inserts the proper “code” into the textbox at the position of the cursor
  - Once the default text is in the textbox, just edit it to do what you want

# Editing content

## PHYSICS INTRANET

You are here: [About the Intranet](#) > [Course Wiki](#) > [Physics 4960H](#) > [Weekly Agendas](#)

### Weekly Agendas

#### 2008-01-29 Agenda

[Edit](#)

Author: Craig

If all is set up and ready to go, David will inform us on the website specifics for our class. After that we will discuss the two questions posed to us. We will then move on to discussing the topics assigned (although there will more than likely not be enough time for all five topics). Also, have in mind the general topic of what you would like to present on later in the semester for Tuesday so no one is thinking the same thing.

In case you forgot or misplaced the assigned topics, here they are: Alex - Distribution Christina - Storage Nick - Sources Travis - Supply Peter - Consumption

plus: David - Wiki setup and talk Sam - last week's minutes

The two posed questions are:

- Can we compare an area of corn to an equal area of solar panels?
- and
- How many Hiroshima bombs equivalent is an increase of 3 degrees in the global temperature?

[Edit](#)[Edit this page](#)[Old revisions](#)[Recent changes](#)[Logout](#)[Index](#)[Back to top](#)

===== Weekly Agendas =====

===== 2008-01-29 Agenda =====

Author: Craig

If all is set up and ready to go, David will inform us on the website specifics for our class. After that we will discuss the two questions posed to us. We will then move on to discussing the topics assigned (although there will more than likely not be enough time for all five topics). Also, have in mind the general topic of what you would like to present on later in the semester for Tuesday so no one is thinking the same thing.

In case you forgot or misplaced the assigned topics, here they are:

Alex - Distribution  
Christina - Storage  
Nick - Sources  
Travis - Supply  
Peter - Consumption

plus:

[Save](#)[Preview](#)[Cancel](#)Edit summary:  Minor Changes

# Creating new pages

## PHYSICS INTRANET

You are here: [About the Intranet](#) » [Course Wiki](#) » [Physics 4960H](#) » [i\\_don\\_t\\_exist\\_yet](#)

### **This topic does not exist yet**

You've followed a link to a topic that doesn't exist yet. If permissions allow, you may create it by using the [Create this page](#) button.

[Create this page](#)

[Old revisions](#)

[Recent changes](#)

[Logout](#)

[Index](#)

[Back to top](#)

©2005-2007 Regents of the University of Minnesota. All rights reserved.  
The University of Minnesota is an equal opportunity educator and employer

[Contact U of M](#) | [Privacy](#) | [Sitemap](#)

- What if a topic doesn't exist?
  - Link to it and then create it
  - Preview & save

# Equation formatting

Suppose  $V$  is a subset of  $\mathbf{R}^n$  (in the case of  $n=3$ ,  $V$  represents a volume in 3D space) which is [compact](#) and has a [piecewise smooth boundary](#). If  $\mathbf{F}$  is a [continuously differentiable](#) vector field defined on a neighborhood of  $V$ , then we have

$$\iiint_V (\nabla \cdot \mathbf{F}) dV = \iint_{\partial V} \mathbf{F} \cdot \mathbf{n} dS.$$



Suppose `'V'` is a subset of `'R'n` (in the case of `'n' = 3`, `'V'` represents a volume in 3D space) which is `[[compact space|compact]]` and has a `[[piecewise]] [[smooth function|smooth]] [[boundary (topology)|boundary]]`. If `'F'` is a `[[continuously differentiable]]` vector field defined on a neighborhood of `'V'`, then we have




```
:<math>\iiint\limits_V \left( \nabla \cdot \mathbf{F} \right) dV = \iint\limits_{\partial V} \mathbf{F} \cdot \mathbf{n}, dS.</math>
```

## • LaTeX syntax (original Wikipedia math syntax)

- PHP Math Publisher plugin is installed
  - Syntax is very different from LaTeX
  - If you have no experience with entering equations, you may find the learning curve more shallow with PHPMathPublisher
- MultiMath
  - Syntax identical to above, basically identical to LaTeX
  - Not installed, but working on it

# Other remarks

- Old revisions
  - Keeps track of all edits, including who performed the edit and the difference between two adjacent edits
- Experimenting
  - No access to the sandbox yet, but previewing still works
- Attachments
  - Can be done through the toolbar and once uploaded, clicking on the icon representation of the file uploaded will insert into text box, e.g. Dan's talk on the main page
- Restricted read access
  - Possible, but not implemented yet (the wiki is world-viewable)
- I'll upload this talk to the Wiki.

```
■ 2008/01/29 13:27 classes:4960h:home - christle (current)
■ 2008/01/29 13:26  classes:4960h:home - christle
■ 2008/01/29 11:22  classes:4960h:home - Added some initial text christle
■ 2008/01/28 18:20  classes:4960h:home - created rubin
```