

# Creating a link to an external PDF file

## Basic linking to PDF files in the medphyswiki website

I am going to take you through the creation of a page in a wiki site that will use links to an external PDF file. The first thing I am going to do is to go the site <http://www-naweb.iaea.org/nahu/dmrp/slides.shtm>. I would like to have the picture displayed on this page used in the creation of my page in the wiki. So the first task is to capture the image. This is easily completed by you through moving your mouse over the picture of the Radiation Oncology Physics picture, next right-click, and then select *save as*. *Give it a name you can easily remember but is meaningful* \*\* remember the location & name that it was saved to \*\*

Now I want to replicate the table of contents section on this page. Remain in the <http://www-naweb.iaea.org/nahu/dmrp/slides.shtm> site and mouse over the entry "Chapter 1 Basic Radiation Physics". Double-left click your mouse on it. This will take us to the .PDF file and display it the contents of the file. It should be mention that the computer you are using to perform this will need to have a copy of acrobat reader or a compatible PDF file reader. Now that the file is displayed go to the address bar (top of screen on internet explorer). Copy the URL listed their, it should be [http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_01\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_01_MacForm.pdf)

Repeat this process for each page gathering the link URL information necessary to access the PDF document. The links should be as follows...

[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_01\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_01_MacForm.pdf)  
[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_02\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_02_MacForm.pdf)  
[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_03\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_03_MacForm.pdf)  
[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_04\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_04_MacForm.pdf)  
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[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_07\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_07_MacForm.pdf)  
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[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_16\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_16_MacForm.pdf)

Now, we need to turn them in to a wiki useable markup code next. To link to an external site you use the single right & left brackets [ and ] encapsulating the text and if you want the text to display different than the code link you add a key to the end of the link.

## Creating a link to an external PDF file

Example if I write the link like...

[\[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_01\\_MacForm.pdf\]](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_01_MacForm.pdf)

It is going to be displayed as...

[1]

But if, I code it this way ...emphasis on the space left between PDF and Chapter

[\[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_01\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_01_MacForm.pdf)

Chapter 1. Basic Radiation Physics]

It will be displayed as

[Chapter 1. Basic Radiation Physics]

So if we code something like below..... (Could copy paste this in to your site)

[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_01\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_01_MacForm.pdf) Chapter 1. Basic Radiation Physics]

[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_02\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_02_MacForm.pdf) Chapter 2: Dosimetric Principles, Quantities and Units]

[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_03\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_03_MacForm.pdf) Chapter 3: Radiation Dosimeters]

[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_04\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_04_MacForm.pdf) Chapter 4: Radiation Monitoring Instruments]

[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_05\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_05_MacForm.pdf) Chapter 5: Treatment Machines for External Beam Radiotherapy ]]

[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_06\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_06_MacForm.pdf) Chapter 6: External Photon Beams: Physical Aspects]

[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_07\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_07_MacForm.pdf) Chapter 7: Clinical Treatment Planning in External Photon Beam Radiotherapy]

[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_08\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_08_MacForm.pdf) Chapter 8: Electron Beams: Physical and Clinical Aspects]

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[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_10\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_10_MacForm.pdf) Chapter 10: Acceptance Tests and Commissioning Measurements]

[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_11\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_11_MacForm.pdf) Chapter 11: Computerized Treatment Planning Systems for External Photon Beam Radiotherapy]

[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_12\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_12_MacForm.pdf) Chapter 12: Quality Assurance of External Beam Radiotherapy]

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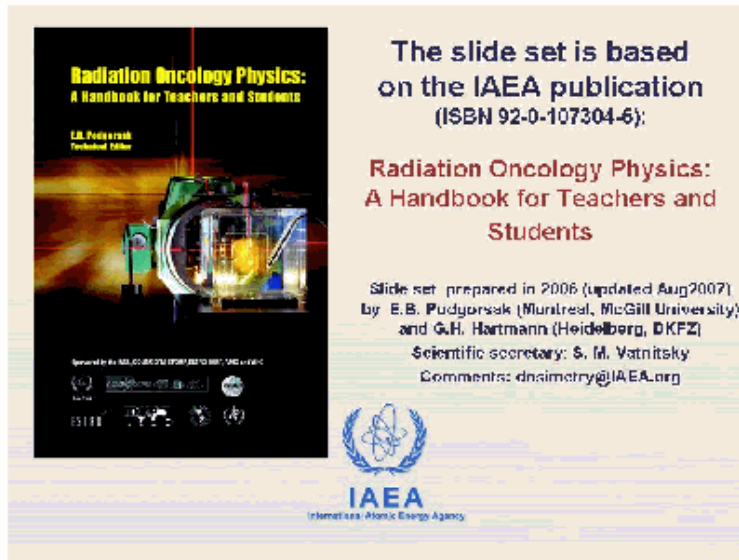
[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_14\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_14_MacForm.pdf) Chapter 14: Basic Radiobiology]

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[[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_16\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_16_MacForm.pdf) Chapter 16: Radiation Protection and Safety in Radiotherapy]

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Slides to Radiation Oncology Physics handbook



- [Chapter 1: Basic Radiation Physics](#)
- [Chapter 2: Dosimetric Principles, Quantities and Units](#)
- [Chapter 3: Radiation Dosimeters](#)
- [Chapter 4: Radiation Monitoring Instruments](#)
- [Chapter 5: Treatment Machines for External Beam Radiotherapy](#)
- [Chapter 6: External Photon Beams: Physical Aspects](#)
- [Chapter 7: Clinical Treatment Planning in External Photon Beam Radiotherapy](#)
- [Chapter 8: Electron Beams: Physical and Clinical Aspects](#)
- [Chapter 9: Calibration of Photon and Electron Beams](#)
- [Chapter 10: Acceptance Tests and Commissioning Measurements](#)
- [Chapter 11: Computerized Treatment Planning Systems for External Photon Beam Radiotherapy](#)
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- [Chapter 13: Brachytherapy: Physical and Clinical Aspects](#)
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Lance Longstreth  
University of Iowa Hospitals & Clinics  
Radiation Oncology

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*Code that was used to create the page above*

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{| class="wikitable"  
|+ Slides to Radiation Oncology Physics handbook  
! !!  
|-  
| [[Image:RadiationOncologyPhysicsBook.jpg/400px]] ||  
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### Advance linking of PDF files in the medphyswiki website

Next we will get a little more advanced at opening our PDF files. Via a URL line, you can pass several parameters to perform certain actions at the time of opening of a PDF file. Note though that the order in which the operations are to be performed do make a difference. So they should be looked at carefully as you create your URL link with advanced options. The commands you use in the link will need to be separated by either a ‘&’ or a ‘#’ character. Leading with the pound sign# and separating commands with the ampersand &

So now to expand on what we have learned in the basic section. Let’s say you are writing a wiki page about a particular subject. Through your research and reading you come across a 97 page PDF that clearly explains on page 30 what you are trying to convey. You could make a notation in the wiki page to look at page 30 for the information or a better way is you could just have the PDF open up straight to that page? I think that we would all agree the opening straight to the page would be classier and more time efficient.

So to accomplish this we would first need to know the basic URL information. By this I mean the location and the name of the document...ex: [http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_01\\_MacForm.pdf](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_01_MacForm.pdf). Now that we know this, we next need to add a parameter to have it open to page 30. To do this we use the notation *page=<page number>* starting with the pound sign. Let’s put it together now; it should look something like [http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_01\\_MacForm.pdf#page=30](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_01_MacForm.pdf#page=30). Neat!!! But sometimes the content when opened is too small to read and the user has to zoom in to legibly read the document. We can fix that to by passing a zoom parameter the PDF file as well. Its syntax is *zoom=<percent number>* and used by itself or chained together with another command such as the page command. To make our example document open to page 30 and to have it zoomed to 150% scale we would chain the commands together to look like the following line below.

[http://www-naweb.iaea.org/nahu/dmrp/pdf\\_files/slides/Ch\\_01\\_MacForm.pdf#page=30&zoom=150](http://www-naweb.iaea.org/nahu/dmrp/pdf_files/slides/Ch_01_MacForm.pdf#page=30&zoom=150)

There are other commands that you could mix and match to suite your needs. But, the most common commands as I would imagine is the page and zoom command

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List of other commands available is displayed below. If you would like a more comprehensive document then please open the following site...

<http://partners.adobe.com/public/developer/en/acrobat/PDFOpenParameters.pdf>. It goes into much more depth in these commands and also shows how to use some of these commands via a command line

nameddest=<name>	Specifies a named destination in the PDF.
Page=<page number>	The number page of a page in the document
Comment=<commentID>	Specifies a comment on a given page
Collab=<store_type@location>	Store_types: DAVFDF(WebDAV) FSFDF(Network store) DB(ADBC) #collab=DAVFDF@http://review_server/Collab/user1
Zoom=<scale>	Sets the zoom and scroll factors. top left side of the page 0,0
Zoom=scale, left ,top	
View=Fit	Sets the view of the displayed page
	Scroll values left and top are floats or integers in a coordinate system
View=FitH	
View=FitH,top	
View=FitV	
View=Fit,left	
View=FitB	
View=FitBH	
View=FitBH,top	
View=FitBV	
View=FitBV, left	
Viewrect=left, top, wd, ht	Use this to set the view rectangle
Pagemode=bookmarks	Displays bookmark or thumbnails
Pagemode=thumbs	
Pagemode=none	Turns the scrollbars on or off
Scrollbar=1 0	Opens the search interface and then performs a search based on the word listing
Search=wordlist	The words must be enclosed in quotes and separated by spaces
Toolbar=1   0	Turns the toolbar on and off
Statusbar=1   0	Turns the status bar on and off
Messages=1   0	Turns the document message bar on and off
Navpanes=1   0	Turns the navigation panes and tabs on and off
highlight=lt,rt,top,btm	Highlights a specified rectangle on the displayed page. Integer values