



Searching Knovel

What is Knovel?

Knovel is a collection of over 500 online full-content books covering a range of subjects in science, technology and engineering.

Many Knovel books are enhanced with interactive graphs, tables and spreadsheets. You have access to all standard content and to premium content published up to 2004.

Getting Started

To access **Knovel** open Internet Explorer and go to <http://www.swin.edu.au/lib/databases/k>

Click on *Go to Knovel*. If you are using a computer at home or work, enter your OPAX username and password and click on *Submit*.

Browsing

Browse by *Subject Areas* using the collapsible headings to locate titles.

Basic searching

Basic searching allows you to search full-text books, their tables of contents and subject indexes.

At the *Search for box*, type your search word and click on *Search*.

Example: *polyurathane*

Using AND between two words will narrow your search. Entering each word in a separate search box and selecting AND from the drop-down menu will return hits where both words appear on the same page.

Example: *dioxin AND chlorine*

Entering both words in the same search box, separated by a space, will narrow your search even further. This will return hits where both words appear within 5 words of each other.

Example: *concrete creep AND drying shrinkage*

Enclose phrases in quotations marks.

Example: *"chloral hydrate"*

Using OR between two words will broaden your search by returning hits where either word appears on a page.

Example: *carcinogen OR cancer*

Using NOT between two words will return hits where the first word appears on the page but not the second.

Example: *preservative NOT sulfur*

Limits

Limit your search to Swinburne subscribed content by ticking the My Subscription radio button.

You can also limit your search by using the *Search in* drop-down menus.

Use the first drop down box to select the field to be searched. E.g. All Text, Author, ISBN, Table of Contents or Title.

Use the second drop down box to select specific subject areas, such as Aerospace and Radar Technology, Chemistry and Chemical Engineering, Food Science, Metals and Metallurgy, Plastics and Rubbers, etc.

Viewing Results

The Title Search Results page lists all titles where matches were found. This list is sorted by relevancy. 50 titles are displayed per page. Use the Next and Previous links at the bottom of each page to navigate between pages.

Click on the Title to view hits within a title (The Table of Contents results page).

Results within a title are also displayed by relevancy.

The *Sections Retrieved* column displays the chapters where hits are found.

The *Data* (interactive tables and graphs) and *Text* (PDF or HTML format) columns show the format of the hits. The number beside each shows the number of hits. Click on a Table, Text or Graph link to view the item.

To open interactive graphs and equations you must have either Macromedia Flash Player or Sun's Java software installed.

Contact the Library

Web: www.swin.edu.au/lib
Email: library@swin.edu.au
Phone: 9214 8330



Searching a specific book or database

When you have located a title, Knovel enables you to search within the book or database. From a title's table of contents page, enter one or more words in the *Search for* box, and click *Search*. Ensure that "*this Title only*" has been selected in the second *Search In* box. All the Basic searching techniques described above are available.

Interactive Features

In addition to viewing tables, graphs and equations on Knovel, you can also input your own data using software Knovel calls 'productivity tools'. Interactive tables are similar to spreadsheet applications, allowing you to find and customize data.

Interactive graphs and equations – the Graph Digitizer, Equation Plotter and Graph Plotter – allow you to input data, make calculations, plot points on a graph and save and print your modifications.

To the right of the Search button on the Knovel home page, click on *Explore Knovel Library Features* - this takes you to sample books where you can try interactive tables, tables with equation plotter, graph digitizer, tables with graph plotter, excel spreadsheets, periodic table of elements and the unit converter.

Clicking on the *Help Centre* (in the top right hand corner of the screen), launching the *Knovel Help Guide* and selecting *Productivity Tools* provides step by step instructions for the Graph Digitizer, Equation Plotter and Graph Plotter using both Macromedia Flash Player and Sun's Java software.

Advanced searching

Advanced searching is available as an option from within the *Search* section or via the *Advanced Search* tab at the top of the screen. The Advanced Search option will allow you to search for numeric property values.

At the Advanced Search screen, you must choose from the drop-down menus. Each time you do this the page will refresh.

You may enter up to 3 search criteria, and combine these using the Boolean operators AND, OR, and NOT.

To search for all oils that have a boiling point between 200 and 215°C, you would enter the following search.

Example:

First criteria:

Category: *materials and substances*
Field name: *material or substance name*
Operator: *is=*
Keyword: *type oil*

Boolean operator: *AND*

Second criteria:

Category: *physical constants*
Field name: *boiling point*
Units: *°C*
Operator: *is b/n >= / <=*
Numeric range: *type 200-215*

Click on *Search*.

Printing A PDF File

Only if your computer has an attached printer.

Click the Print button on the Acrobat toolbar or the Netscape toolbar, or select File Print from the Netscape menu. If you only want to print a section of the document select File Print, and specify the print range of the pages you require.

Saving A PDF File To Disk

- From the Netscape menu select **File** then **Save As**, the **Save As** window should open.
- Type the location and file name - for example A:\document.pdf
- You must use the file extension **.pdf** Do not save a PDF file in another format.

Printing using Knovel Reader

Knovel uses software called Knovel Reader to view HTML documents. To print a document, click on the *Print* icon on the toolbar. Select from *All pages*, or *Current Page*, or enter the *Pages* you wish to save and click on *Submit*. Click on *Print*.

Saving a document using Knovel Reader

To save a document, click on the *Save* icon on the toolbar. Select from *All pages*, or *Current Page*, or enter the *Pages* you wish to save and click on *Submit*. At the *File Download* screen, click on *Save*. At the *Save As* screen, select the appropriate drive, name your document and click on *Save*.

Truncation

An asterix * at the end of a word or part of a word will find words with different endings.

For example resist* will find resistance, resistors, resisted, resisting etc

Knovel does not accept other wildcards such as ?