



清华同方光盘

CNKI Knowledge Network System

(KNS3.5)

User's Guide

Tsinghua Tongfang Optical Disc Co., Ltd.

June, 2002

Basic Search

Introduction and illustration of the Basic Search interface are as follows:





I .Database navigation bar

Click these hyper links on the bar to access CNKI homepage, and other databases such as China Doctor/Master's Dissertation Databases, China Hospital Knowledge Databases, China Enterprise Knowledge Databases, Chinese Graduate Knowledge Network and so on.

II .Search conditions area

This image shows a detailed view of the search conditions area. It includes:

- 字段 (Field):** A dropdown menu set to '篇名' (Article Name).
- 检索词 (Search Term):** An input field for the search term.
- 检索 (Search):** A button to execute the search.
- 从 (From):** A dropdown menu set to '1994'.
- 到 (To):** A dropdown menu set to '2002'.
- 排序 (Sorting):** A dropdown menu set to '无' (None).
- 中英扩展 (Chinese/English Expansion):** A checkbox that is currently unchecked.
- 请选择查询范围 (Please select the search scope):** A section with a tree view showing categories like '总目录' (Total Directory), '电子技术及信息科学辑目录' (Directory of Electronic Technology and Information Science), and '计算机技术' (Computer Technology).
- 全选 (Select All) and 清除 (Clear):** Buttons at the bottom of the search scope section.

Search field	Search words in 13 fields, including Title, Author, Keyword, Organization, Abstract, Reference, Fund, Full Text, Journal Name, ISSN, Year, Issue and Theme.
Time range	Select a time range to narrow the results
Sort by	The user could choose to sort the results by None, Latest Date, and Relevance.
	None: list the results in a spontaneous order
	Relevance: list the results according to the number of times that the searched words are used in a descending order
	Latest Date: list the results according to the date in an descending order
Across linguistic search	When checked, the search recall will be improved. For instance, when the user search for “计算机”in Title, all the articles containing “计算机”and “computer”, its English equivalent, in their titles will be listed.
Scan index 	The lists of Author, Keyword, Fund, Institution, Theme, and Journal title have been added to the search field. The users can select one that he is particularly interested in and click the icon  to view the entire list.
Search	Click this button to start searching

III.Catalogue navigation area

The user can choose to search within following nine series. Check “Select All” to search within all the nice series and “Clear” to undo “Select All”.

◆Series A(Science-Engineering)

This series covers such disciplines as Mathematics, Mechanics, Physics, Astronomy, Meteorology, Geology, Geography, Oceanography, Biology, and Natural Sciences. (Journal of Beijing Institute of Technology is included in the series).

◆Series B(Science-Engineering)

This series covers such disciplines as Chemistry, Chemistry Industry, Metallurgical Industry, Science of Metals, Petroleum, Natural Gas, Coal, Light Industry, Environmental Science, and Material Science.

◆Series C(Science-Engineering)

This series covers such disciplines as Machinery, Instrument, Measurement, Electrical Engineering, Power Engineering, Architecture, Hydraulic Engineering, Traffic and Transportation, Weaponry, Aeronautics, Astronautics, Nuclear Engineering, and various journals of a large number of engineering universities.

◆Series D(Agriculture)

This series covers such disciplines as Agriculture, Forestry, Animal Husbandry and Veterinary, Fishery, Aquatic Industry, Plant Protection, Horticulture, Agricultural Machinery, Agronomy, Ecology, and Biology.

◆Series E(Medicine/Hygiene)

This series covers such disciplines as Medicine, Pharmacology, Chinese Medicine,

Hygiene, Health Care, and Biological Medicine.

◆Series F(Literature/History/Philosophy)

This series covers such disciplines as Linguistics, Literature, Culture, Arts, Music, Fine Art, Sports, History, Archaeology, Philosophy, Religion, and Psychology.

◆Series G(Economics/Politics/Law)

This series covers such disciplines as Economics, Trade, Finance, Insurance, Politics, Party and Mass Organization, Diplomacy, Military, and Law.

◆Series H(Education/Social Sciences)

This series covers such disciplines as Education, Sociology, Statistics, Demography, Science of Talent, and Social Sciences. (Various philosophy journals of a large number of universities are included in this series.)

◆Series I(Electronics/Information Science)

This series covers such disciplines as Electronics, Radio, Laser, Semi-conductor, Computer Science, Network, Automation, Posts and Telecommunications, Communications, Media, Journalism, Library and Information Science, and Documentation.

What can the navigation do?

1. Select the target series to narrow the number of results. For example, the user can select the following search range step by step to find the article that he is particularly interested in as illustrated below: Series A→Mathematics→Introduction to Mathematics→History of Mathematics and Mathematical Category.




2. Select a target range to search in saves time and improves the recall when the user starts a basic search or advanced search. For example, to search a dissertation on computer network, the wisest way is to search within Computer Technology under Electronics/Information Science as illustrated below.




IV Search Results Area

The searched results and their Title, Journal Name, Year, and Issue are displayed in this area. The user can perform following operations in it.

View the basic info	Click the title, the basic info of the article will be displayed in the frame at the bottom.
Save	Select the check box of a particular article, and click “Save”, the basic info of the article then is displayed in a new Explorer window. The user can save the page if he wants.
Download	Click the icon  to view or download the whole article. The format of these articles is “.caj”, or “.kdh”. If the user has installed CAJViewer software, he can view the full-text article online or in the local directory that he has saved to.
Search in results	There may be too many records found. The user could type in a few words in the field and click the “Search in results” button to sift the results step by step.
Go to	Only ten searched results can be displayed on one page. To view other pages, please click “First”, “Previous”, “Next”, or “Last”. To skip to a particular page, input the page number and click the “Go” button. Please note that the page number inputted must be integers and cannot be larger or smaller than the total number of pages. Otherwise the system will automatically return to the first page, or the last page.

V Basic Info Area

Download	Click the icon  to view or download the whole article. The format of these articles is “.caj”, or “.kdh”. If the user has installed CAJViewer software, he can view the full-text article online or in the local directory that he has saved to.
Journal name	Click the title, the basic info of the article will be displayed in the frame at the bottom, including the Title, Author, Journal Name, Institution, Keyword, Clustering, and Abstract. Hyper links to the journal’s homepage in Chinajournal.net, to a list of all the articles in the same issue, to its coverage info, and to the email address of its editor are offered in this area.
Clustering	Similar Documents: direct the page to a list of articles on the same, or related subjects
	Cited References: direct the page to a list of references, if collected in the database, that the article has used
	Cited by: direct the page to a list of articles collected in the database that have referenced this article

VI How to search?

- 1.log in to the search system and the user could start a simple search in the left frame.
- 2.Select search range by checking the boxes of the specific series that the target article might be included in. See the figure below.



The screenshot shows a search system interface with a top navigation bar containing links like 首页, 返回, 高级检索, 简体, 繁体, 中文, 中英文, 英文, 存盘, 帮助, 退出. Below this is a search bar with fields for 字段 (Field) and 检索词 (Search Term), and buttons for 二次检索 (Secondary Search), 全选 (Select All), and 清除 (Clear). The main area displays search results for the query '范围 数学史与数学范畴 命中 1415 篇'. A table lists five results, each with a checkbox, a title, a journal name, and a year. The first result is selected. Below the table, the details for the selected article are shown, including the title '论“高职”数学教材的改革', author '李朋熙', journal '潍坊教育学院学报 2001年04期', institution 'CJFD收录期刊', and keywords '“高职”生; 数学应用; 教材'.

3. Select the search filed. The user could search in 13 fields in total, including Title, Author, Institution, Keyword, Chinese Abstract, English Abstract, Fund, Citation, Full-text, and Journal name.
- 4.Enter the words that the user is searching for in the inquiry box.

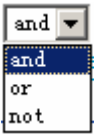
5. Click the “Search” button to start and “Clear” button to reset the words

6. Search in results: There may be too many records found. The user could type in a few words in the field and click the “Search in results” button to sift the results step by step.

Advanced Search

Basic Search Mode facilitates quick, simple searches. But for more complex, in-depth searching, please use Advanced Mode Search interface with Boolean operator between multiple inquiry boxes. Click the link “Advanced Search” at the top of the screen to switch to the advanced mode.

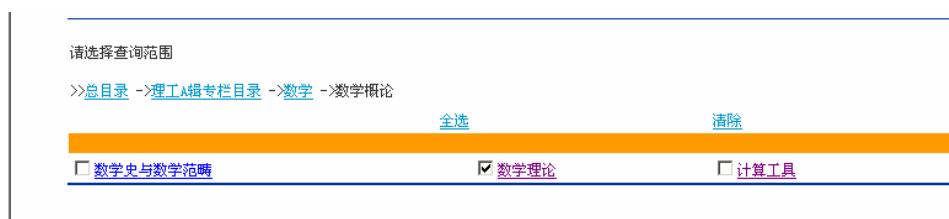
I Tool bar

Double inquiry boxes	The user could enter words in both of the two inquiry boxes to narrow the results and to raise the search speed
Search field	The user could search in 13 fields in total, including Title, Author, Institution, Keyword, Chinese Abstract, English Abstract, Fund, Citation, Full-text, and Journal name.
	Boolean relationship between the two search conditions and: the results must meet both search conditions or: the results should meet one of the two search conditions not: the results should not meet any of the two search conditions
Time range	Select a time range to narrow the results

Sort by	None: list the results in a spontaneous order
	Relevance: list the results according to the number of times that the searched words are used in an descending order
	Latest date: list the results according to the date in an descending order
Search	Click the “search” button to start
Clear	Click “Clear” to undo “Select All”

II How to execute advanced search?

- 1.log in to the search system and the user could start a simple search in the left frame.
- 2.Select search range by ticking the boxes of the specific series that the target article might be included in. See the figure below.



请选择查询范围

>>总目录 ->理工A编专栏目录 ->数学 ->数学概论

全选 清除

☐ 数学史与数学范畴 ☒ 数学理论 ☐ 计算工具

3. Select the search filed. The user could search in 13 fields in total, including Title, Author, Institution, Keyword, Chinese Abstract, English Abstract, Fund, Citation, Full-text, and Journal name.
- 4.Enter the words that the user is searching for in the inquiry box. When the user choose to “sort by relevance”, results will be listed according to the number of times that the searched words are used in a descending order.
- 5.Set the Boolean relationship between the two entered sets of words.
- 6.Click the “search” button to start, or “clear” to undo “Select All”.

III Example for advanced search

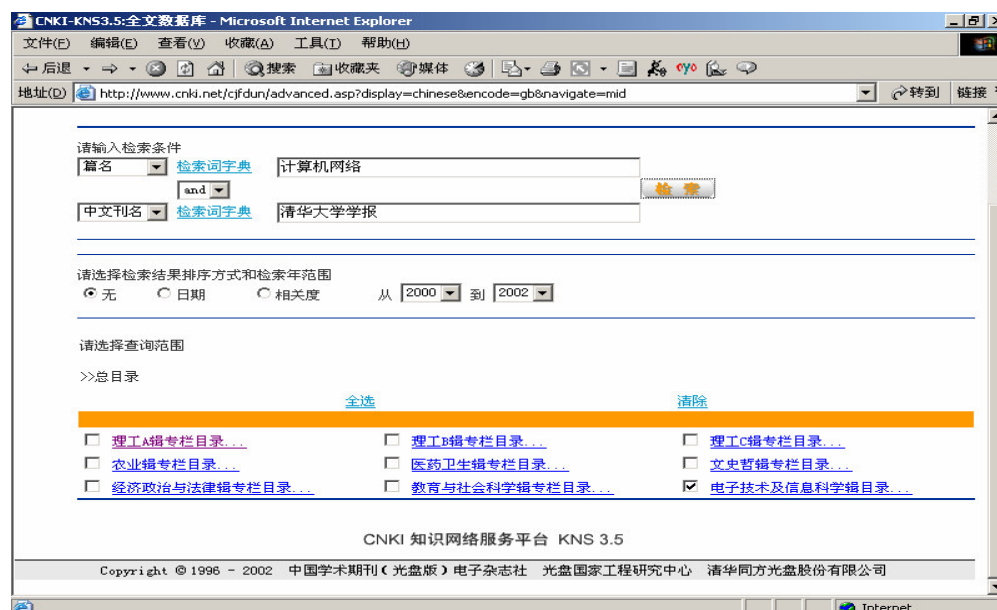
Example: to find records conforming to both search conditions

Condition1: title names include “computer network” and are published in “Journal of Tsinghua University

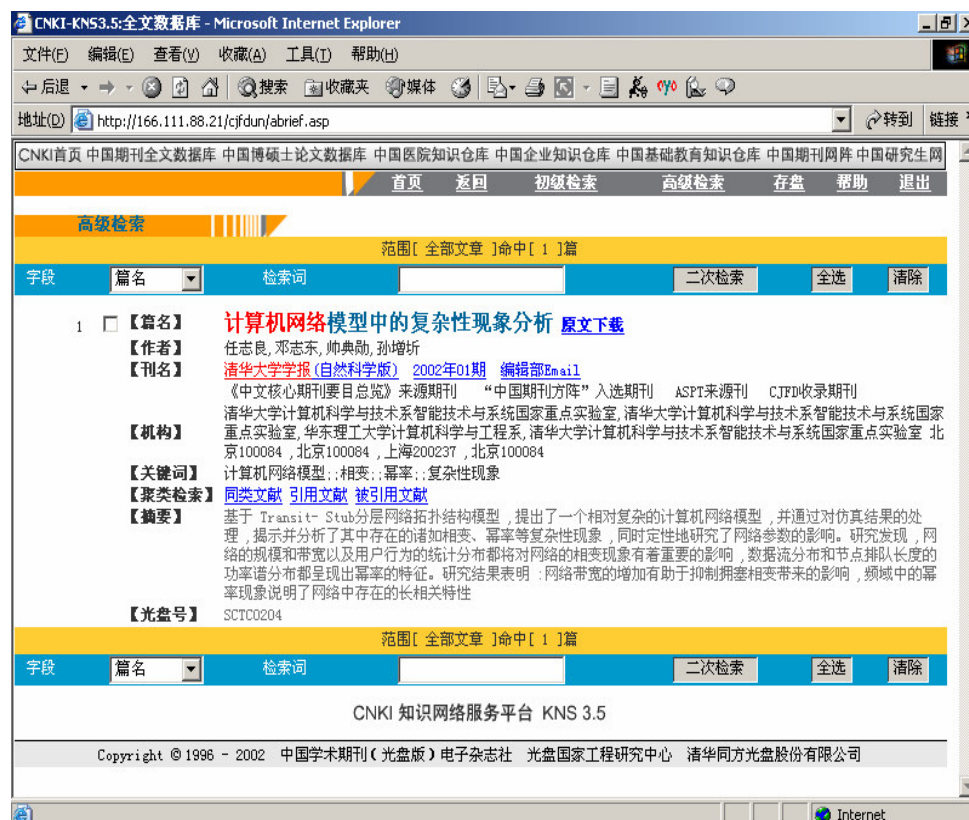
Condition2: published between 2000 and 2002

Step 1:to determine which series may include those articles. As in this case, “computer network” is likely to fall in the category of Electronics/Information Science. So choose to search within this category, and then limit the articles to the period from year 2000 to 2002.

Step 2: enter a word or phrase in inquiry box and select Boolean operator (AND, OR, NOT). As in this case, you should set following conditions: Title= “computer network” “AND” Journal Name= “Journal of Tsinghua University”. Then enter the words that you want to search for. See the figure below.




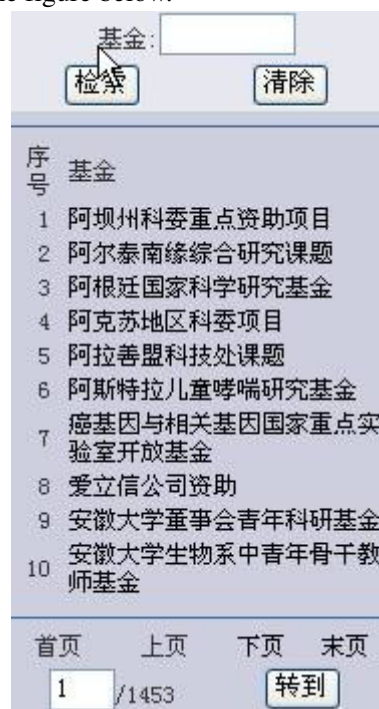
Step 3: click the “search” button to start searching. See the figure below.



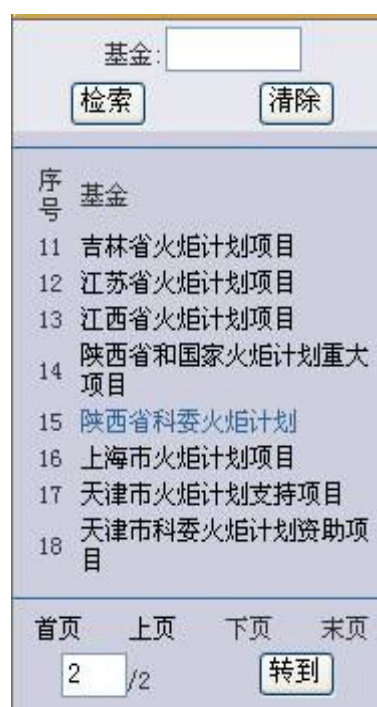
Scan Index

The Scan Index function is enabled for Author, Keyword, Institution, Fund, Journal Name, and Theme only. Let's take Fund as an example to explain the usage of Scan Index. Suppose the user needs to read articles by the fund “陕西省科委火炬计划”(The Torch Project of Shanxi Science and Technology Committee), he should carry out following steps:

Step 1: Select Fund in the search field and then click the icon . All the fund names will be listed in the left frame. See the figure below.



Step 2: enter the characters “火炬计划”, and click “search”. Then go to page 2 where the fund “陕西省科委火炬计划” is listed. See the figure below



Step 3: Click the link “陕西省科委火炬计划” to direct to the search interface and then click “search” to view the articles by the fund in the right frame. See the figure below.



字段 基金

检索词 陕西省科委 检索

从 2000 到 2002

排序 无 ☐ 中英扩展

请选择查询范围

>>总目录

全选 清除

- ☒ 理工A辑专栏目录...
- ☒ 理工B辑专栏目录...
- ☒ 理工C辑专栏目录...
- ☒ 农业辑专栏目录...
- ☒ 医药卫生辑专栏目录...
- ☒ 文史哲辑专栏目录...
- ☒ 经济政治与法律辑专栏目录...
- ☒ 教育与社会科学辑专栏目录...
- ☒ 电子技术及信息科学辑目录...

CAJViewer 5.0

CAJViewer 5.0 is a software system specially developed for the CNKI users to view the articles in our databases. The user could read articles of such formats as CAJ, NH, KDH, CAS, CAA, and PDF by using this software, both online and downloaded. The proprietary software works well with HTTP, FTP and other network transfer protocols. OCR is another impressive new feature. Tsinghua Wentong Information Technology Corporation authorized CNKI to use the OCR technology.

New features and the main interface

New features of CAJViewer 5.0

1. Online browsing function: Support transport protocols such as HTTP, FTP, HFTP etc, moreover support encrypted key exchange and resuming.
2. OCR online recognizing function: support online character recognizing. Generally the recognizing ration can be 80% or above. (OCR is licensed by Tsinghua Wentong Co., Ltd.)

3. Bookmark management function can easily perform the operations such as adding, deleting or finding etc., also browsing easily.

4. Record of view history: Can return to the previous page very quickly.

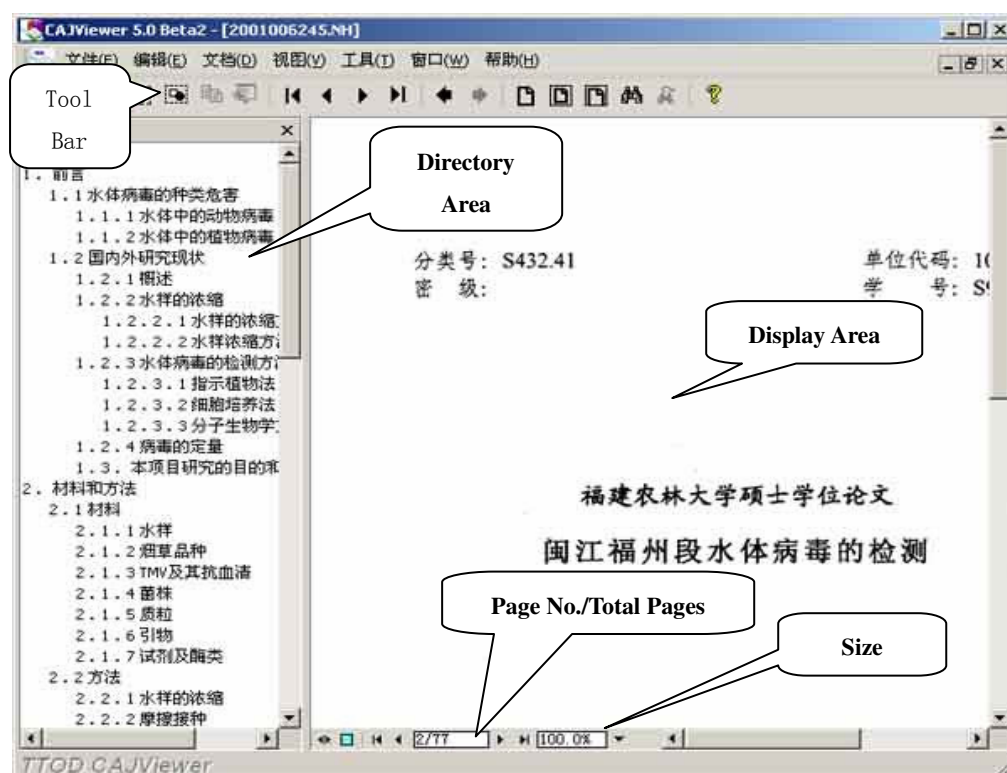
5. Automatic upgrade: When the function is set, the program could automatically detect if the version is the latest one. If not, it will automatically download the latest version and install it. (network support required).

6. Bug report:

When the function is set, bugs that have appeared can be reported to the bug server to supply information for further improvement of the system. (Network support required).

Main interface of CAJViewer 5.0

The main interface of CAJViewer 5.0 consists of two parts: display area and directory area. The latter could be closed or opened by the user. See the figure below.



Download/Install CAJViewer5.0

Download

The user could download the software from following websites:

http://www.cnki.net/cajview_page/download.htm

<http://china.eastview.com>

<http://cjn.csis.com.tw>

<http://cjn.lib.hku.hk/>

It is available in several versions to meet different needs of the users.

◆ CAJViewer5.0Beta2_full.zip (complete version, size=9,058KB)

1. Online browsing function: Support transport protocols such as HTTP, FTP, HFTP etc, moreover support encrypted key exchange and resuming.

2. OCR online recognizing function: support online character recognizing. Generally the recognizing ration can be 80% or above. (OCR is licensed by Tsinghua Wentong Co., Ltd.)

3. Bookmark management function can easily perform the operations such as adding, deleting or finding etc., also browsing easily.

4. Record of view history: Can return to the previous page very quickly.

5. Automatic upgrade: When the function is set, the program could automatically detect if the version is the latest one. If not, it will automatically download the latest version and install it. (network support required).

6. Bug report:

When the function is set, bugs that have appeared can be reported to the bug server to supply information for further improvement of the system. (network support required).

◆ CAJViewer5.0beta2_OCR.zip (OCR version, size=5,463KB)

OCR function included while CAJVIEWER help page is not included

◆ CAJViewer5.0Beta2_Simplify.zip (simplified version, size=3,653KB)

No OCR function and no CAJVIEWER help page

Note: the present software is still a Beta version

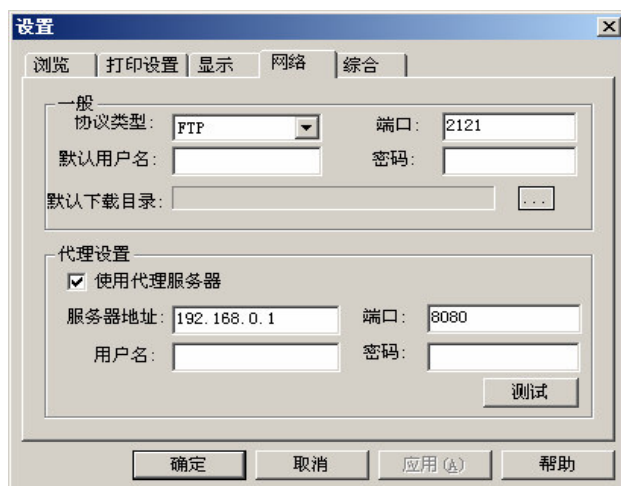
Install

Use winzip8. to unzip CAJ Viewer after downloading as it is a *.zip file and then run the executable file to install. The user should follow the instructions step by step.

Network setup


If the user of our China Master/Doctor's Dissertations Database wants to view those theses online via proxy, following adjustment of the network setup should be done.


First, open the CAJviewer, select "Tools" and then "Setup", and click "Network". The user should set the protocol type as "FTP", default port as "21", fill in the proxy address and port number and finally click "OK". See the figure below.





Browse

Leaf

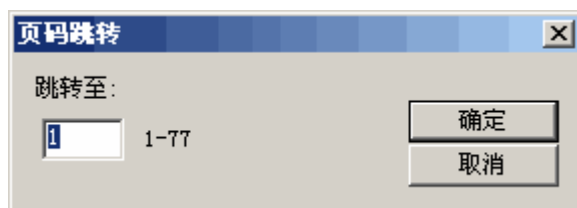
First page: click the icon , or press Ctrl+Home to browse the first page

Previous page: click the icon , or press Ctrl+<- to browse the previous page



Next page: click the icon , or press Ctrl+> to browse the next page

Last page: click the icon , or press Ctrl+End to browse the last page

Skip to: choose "Skip to" of "Document" on the menu or press Tab key, and then type in the page number into the following dialogue box to browse the page that the user is particularly interested in.



View history



Click the icon , or press Ctrl+PageUp to go to the previous view. Click the icon , or press Ctrl+PageDown to go to the next view.

Page size

CAJViewer 5.0 displays the article in the default size. If the user wants to view the articles in a different size, he could change the default size.

Zoom in/Zoom out

1.Zoom by default percentage


Click the icon  on the tool bar to choose the zoom in tool. Then click the left key of the mouse on the article, which will be enlarged by 1.14 times of the original size. The user could also press the key Ctrl++ to achieve the same purpose. To zoom out, click the icon , or press the key Ctrl+-.

2.Zoom by arbitrary percentage


Input or select the particular percentage that the user wants to zoom by in the following dialogue box, which pops up when Zoom As of View on the menu is chosen. The user could also simply press the key Ctrl+M to achieve the same purpose.




3.Actual size

Click the icon  or press the key Ctrl+0 to browse the article in the actual size (100%)


4.Fit height

Click the icon  or press the key Ctrl+1 to display the article in a size automatically calculated to fit with the height of the display area

5.Fit width

Click the icon  or press the key Ctrl+2 to display the article in a size automatically calculated to fit with the width of the display area

Show/hide the catalogue tree

Click the icon  on the tool bar, or press the key F10 to show or hide the catalogue tree.

Full screen

Click the icon , or press the key F11 to brow the article in full screen



Show as Big5

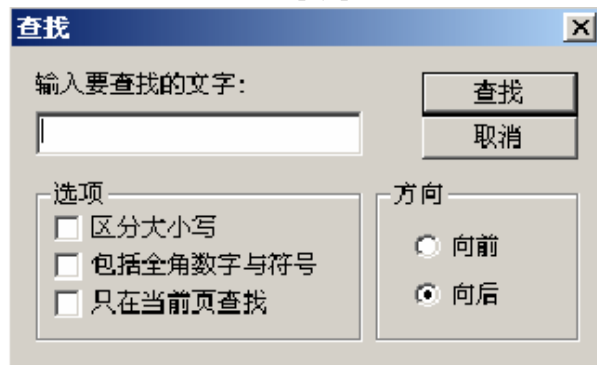
When “show as big5” of “Tools” on the menu is selected, CAJViewer will convert the article into Big5.

Show picture

CAJViewer will display the pictures when “Show picture” of “Tools” on the tool bar is selected.

Find


Click the icon  on the tool bar, or press Ctrl+F to find the words that you typed in the dialogue box shown below. When you need to find the same words for a second time, just click the icon  on the tool bar or simply press F3. The words found will be highlighted.

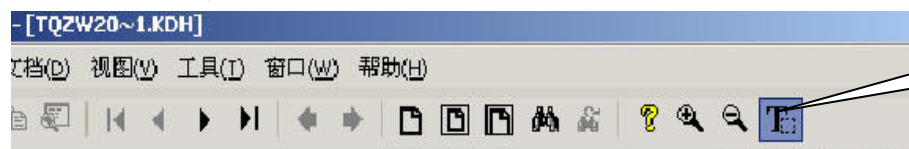


Select

Select text

1. Select by line

Click the icon  on the tool bar, then hold down the left key of the mouse and drag the line to the desired line. See the figure below.





The line
dragged by
the mouse

在大学毕业前，我被分配到豫东家乡小城一家企业。当自己满怀憧憬地拿着派遣证到厂报到时，企业正处于半停工状态，院子里的草长得齐腰高。厂长苦笑道：“你也看到了，现在厂里就剩下我们几个人了。你若愿意留下我们欢迎，只是……”没等讲完，他便说：“我理解您的苦衷，谢谢！”那一刻，我仿佛看到五彩斑斓的彩虹，如肥皂泡一般“啪”破碎的声响。

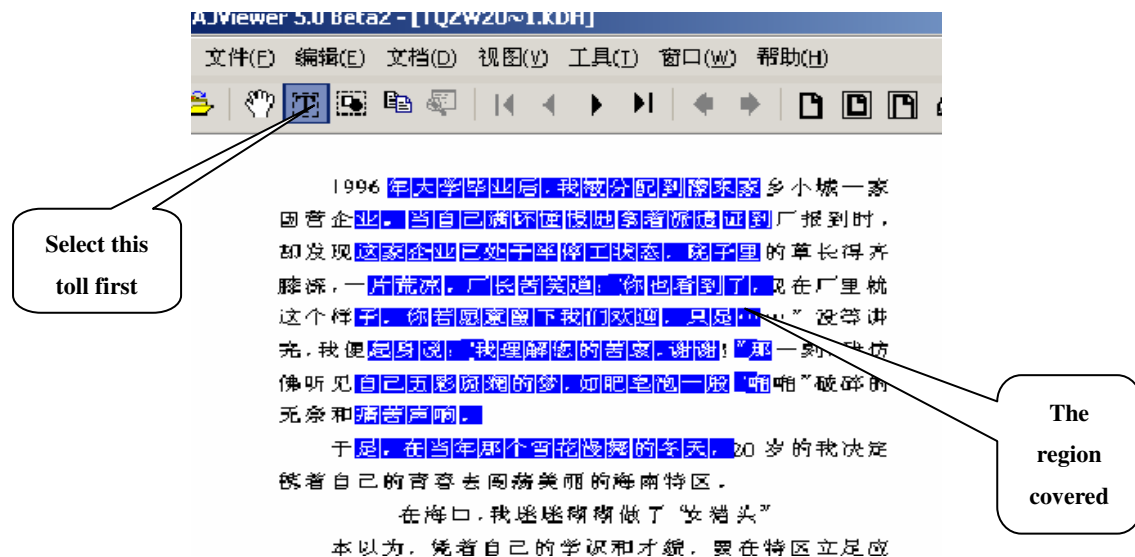
在当年那个雪花漫舞的冬天，20岁的我决定离开这座美丽而繁华的中原特区。

他打发两个比我先来一步的求职者：“话走人吧！”看到这场面，我心里不自觉地又没希望了，但毕竟我又是个不甘示弱的人。我忽然昂头挺胸地走上前去，满脸堆笑地说：“领导您好！”领导几乎眼都没抬，说：“留吧留吧！”我慌忙接过纸笔，说：“我没有电话。”这段颇显滑稽的对话吸引了所有人的视线，那位经理模样的人赞赏的目光打量我，接下来他不但没生气，还提出一大堆刁钻古怪的问题。




2. Select by region

Click the icon  on the tool bar, then hold down the left key of the mouse and drag the line to cover the desired region. You could click the icon  or press Ctrl+C to copy the selected text to


the clipboard. See the figure below.

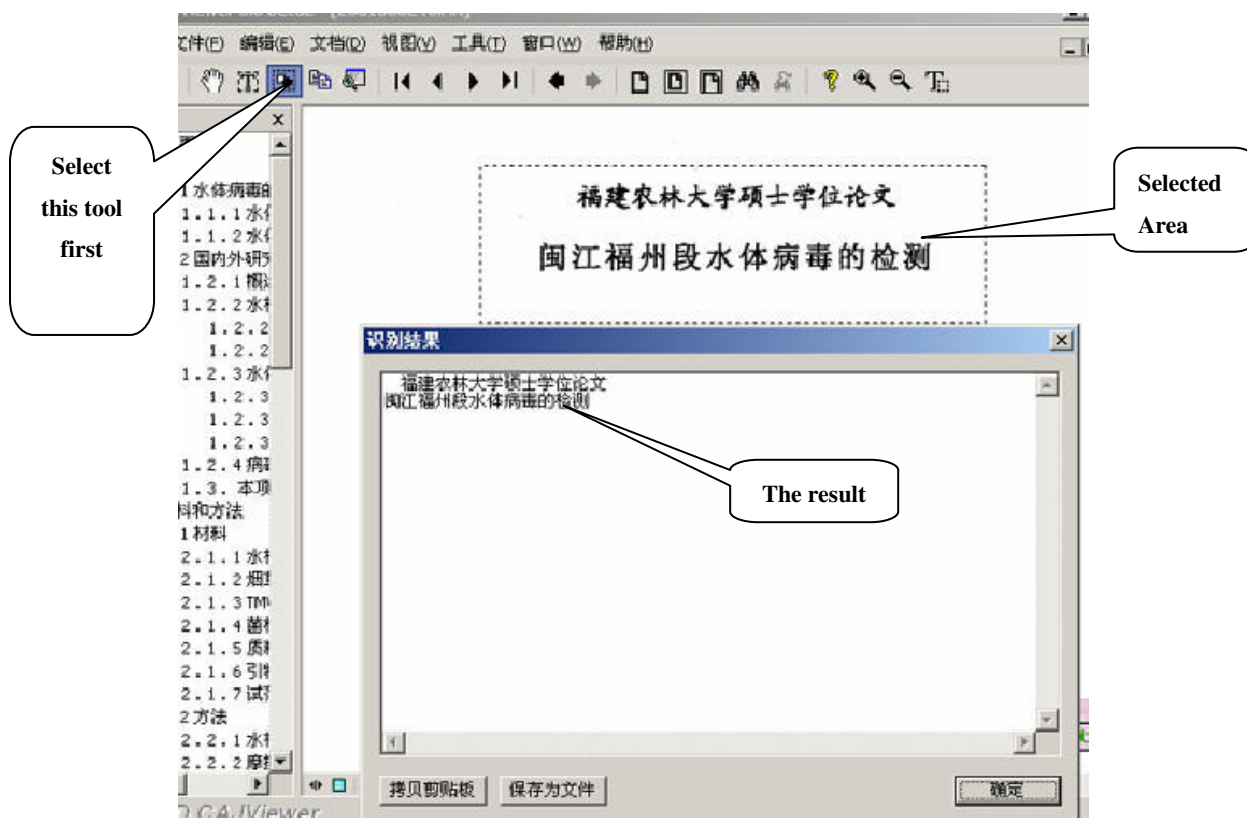


Select image

Click the icon  on the tool bar, then hold down the left key of the mouse and drag the box to cover the desired region. You could select the  tool, or simply press Ctrl+C to copy the image to the clipboard. When the text is in scanned format, you could also select the  tool to recognize the text. (Please refer to OCR)

OCR

Select the region that you want to recognize (please refer to “select image”) first, then click the icon  on the tool bar to start. The recognition result will be displayed in a separate window shown below. You could copy the result to the clipboard, or save it as a new text file.



Setup

Set interface language

CAJViewer 5.0 has three interface languages, including simplified Chinese, traditional Chinese and English. It will choose the proper language automatically according to the language environment of operation system. You could also set the language by yourself. Go to "Tools" on the menu, click "Language" and then choose the language you need.

Customize the toolbar

CAJViewer 5.0 allows the user to customize the tool bar according to his needs. Go to "Tools" —> "Customize toolbar", the a dialogue box shown below will pop up. You could add or delete buttons on the toolbar.



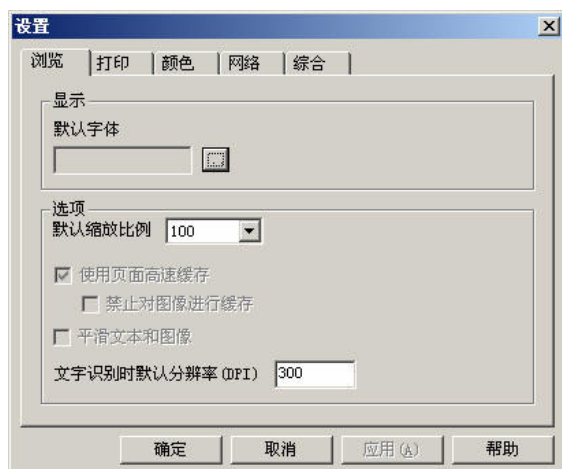
File type associate

The user doesn't need to reset the "File type associate" in most occasions. When the dialogue box shown below pops up, the user could change the setting by marking/unmarking the file types. The default setting is recommended.



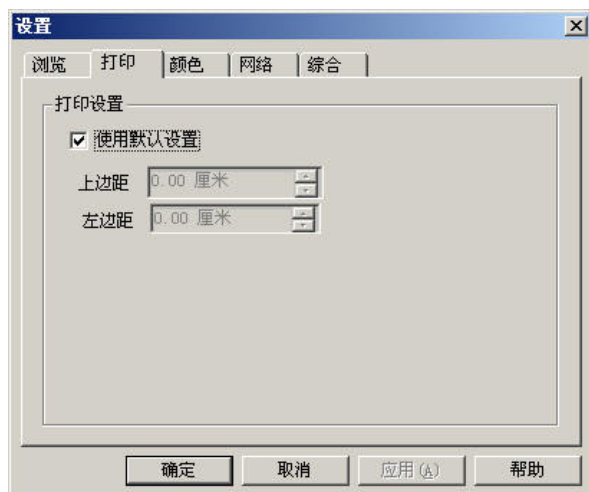
Set default font

If your font library doesn't have the font you want, the articles will be displayed in the default font, which you could choose in the dialogue box popped up when "Tools" —> "Setting" are clicked.



Print setup

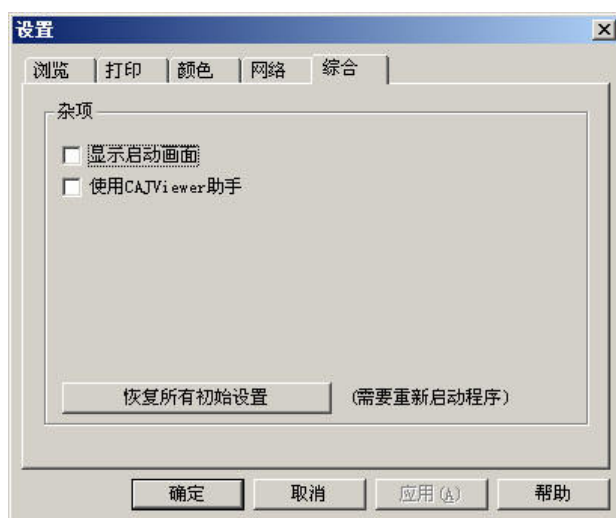
Go to "Tools" —> "Setting" and the dialogue box shown below will pop up. You could customize your print setup.



Restore initial setup

Go to “Tools” —> “Setting” and the dialogue box shown below will pop up. Click the “Option” button and you could choose to restore initial setting by clicking the button “Restore All Default Setup.”

Note: You need to restart CAJViewer to activate this setup.



Keyboard shortcuts

【File】

Menu operations	Key combinations
Open	Ctrl+O
Print	Ctrl+P
Send mail	Ctrl+E

【Edit】

Copy	Ctrl+C
Find	Ctrl+F
Find next	F3
Select all	Ctrl+A

【Document】

First page	Ctrl+Home
Previous page	Ctrl+<-
Next page	Ctrl+->
Last page	Ctrl+End
Skip to	TAB

【View】

Full screen	F11
Zoom in	Ctrl++
Zoom out	Ctrl+-
Zoom as	Ctrl+M
Actual size	Ctrl+0
Fit window	Ctrl+1
Fit width	Ctrl+2
Previous view	Ctrl+PageUp
Next view	Ctrl+PageDown

【Window】

Close window	Ctrl+F4
Close all windows	Shift+F4
Next window	Ctrl+TAB
Previous window	Shift+TAB

FAQs

● Is there anything that I should pay attention to do when installing CAJViewer 5.0?

1. Remove the old version from your computer before installing.
2. When the articles are illegible just after installation, restart the computer.

● What should I do if the pages are illegible?

This might be caused by the absence of Chinese font library, or the font library is unregistered. If you are sure that these two possibilities don't exist and the problem is still unfixed when you restart the computer, please visit our website to download the font library. The file is in .zip format. You must unzip it before installing.