

#### Tables of Integrals, Series, and Products

Tables of Integrals, Series, and Products (5th ed., 1996) on CD-ROM contains about 20,000 formulas for integrals, sums, series, products and special functions. It covers the elementary functions, special functions, indefinite and definite integrals of elementary functions and special functions, vector field theory, algebraic inequalities, integral inequalities, matrices and related results, determinants, norms, ordinary differential equations, and Fourier, Laplace, and Mellin transforms. It also includes bibliographic references and classified supplementary references.

Subject coverage: mathematics, physics, engineering

#### TO START

1. At the Library home page (<http://www.cityu.edu.hk/lib>), select **Electronic Resources**.
2. Under Electronic Databases, click on **by title**, then select Tables of Integrals, Series, and Products.
3. In the Collection Window\*, make sure "ACADEMIC PRESS" on the upper portion is highlighted, double click on "Tables of Integrals, Series, and Products" at the lower portion to open the Book Window\*.
4. The Book Window splits into 2 views: (i) Table of Contents (TOC) view, and (ii) Main view.

\* The window panes may be displayed side by side rather than top and bottom, this can be customized with the [Preferences] option in the **File** in the menu bar.

#### TO SEARCH

1. The Search panel appears at the bottom of the Book Window (**Find** prompt).
2. Type the word(s) or phrase at the Search panel, press <Enter>.
3. **Or you can copy word(s)/phrase from the book and paste them to the Search panel:**
  - i. highlight the desired word or expression in the Main view.
  - ii. click on the [**Copy**] button once.
  - iii. move the cursor to the Search panel and click [**Paste**] button once.
  - iv. click on the [**Find**] button once.

Use the followings to broaden or narrow down a search:

- ◇ Use logical operator, i.e. **AND**, **OR**, **AND NOT**, to combine words or phrases.
- ◇ Use \* to match any set of 0 or more characters, e.g., **algebra\*** to match *algebra*, *algebraic*, *algebraically*.

#### Other functions

- \* Click on the [**History**] button to see past searches which can be modified and used again.
- \* Click on the [**New**] button for new search and past searches will be cleared.

## SEARCH RESULTS

### Enlarging and Reducing text in the Main view

- Choose [Enlarge] from **View** in the menu bar to make the text more readable.
- Choose [Reduce] to fit more text on the screen.

### Interpreting the search results in the Table of Contents view

After a search has been executed, the number of search occurrences found in each section will be displayed in the TOC view.

### Browsing the search results in the Main view

1. Clicking on a section in the TOC view will display the full text of the section in the Main view.
2. Use the [Next] and [Prev] buttons in the button bar to go from search occurrence to search occurrence within a section or across sections in the Main view.
3. Double-click on cross-reference icons or hypertexts (text in red colour) within Main view to see graphics/cross-references.

### Clearing the search results

Click on the [Clear] button in the button bar to clear the search results from the TOC view and the entries in Search panel.

## TO PRINT

1. Select [Print] from **File** in the menu bar to open the *Print dialog box*.
2. Expand and collapse the section headings by clicking on the + and - signs.
3. Click on the section(s) you want to print. (Deselect a section by clicking on it again.)
4. Click on the [Print] button.

## TO QUIT

Select [Exit] from **File** in the menu bar.