

# Introduction

## ***Shaping Structures: Graphical Techniques***

demonstrates the construction of graphic statics diagrams and their application to solving structural problems.

For best results, these lessons should be studied in conjunction with the companion text *Shaping Structures: Statics*, by Wacław Zalewski and Edward Allen, published in New York by John Wiley & Sons, 1997.

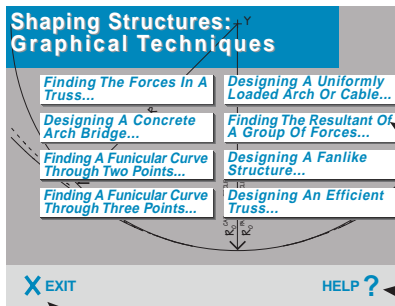
*Click on the **Next Help Topic** button to proceed to the next topic. Click on a **Bookmark** heading in the column to the left to jump directly to any topic.*

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# Getting Started



From the Contents screen, you can:

Click on any title to start the lesson.

Click on the **?** Help button to access this Help file.

Click on the **X** Exit button to leave the program.

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# Moving Around

From any Lesson page, you can:



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Next

Use the **Back** and **Next** buttons to move in either direction through a lesson.



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# Learning More

For further help with these lessons, consult the following portions of the text, *Shaping Structures: Statics*.

Finding The Forces In A Truss .....	Chapters 5 and 6, especially pp. 114-121
Designing A Concrete Arch Bridge .....	pp. 197-203
Finding A Funicular Curve Through Two Points .....	pp. 188-191
Finding A Funicular Curve Through Three Points.....	pp. 209-216
Designing A Uniformly Loaded Arch Or Cable.....	pp. 226-230, 238, 239, 243-246
Finding The Resultant Of A Group Of Forces.....	pp. 216-219
Designing A Fanlike Structure.....	Chapter 7
Designing An Efficient Truss.....	pp. 383-400

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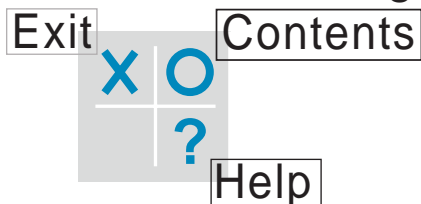
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# Leaving A Lesson

Use the **X Exit** button to exit the program.

Use the **O Contents** button to return to the beginning of the Tutorial.



Use the **? Help** button to access this Help file.

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# Switching Screen View



Use the **V View** button to turn off “Full Screen View”. With Full Screen View off, you can access all the Acrobat menus, toolbars, and other features.

To learn more about what you can do with Full Screen View off, see the next help topic.

Click the **View** button a second time to return to Full Screen View.

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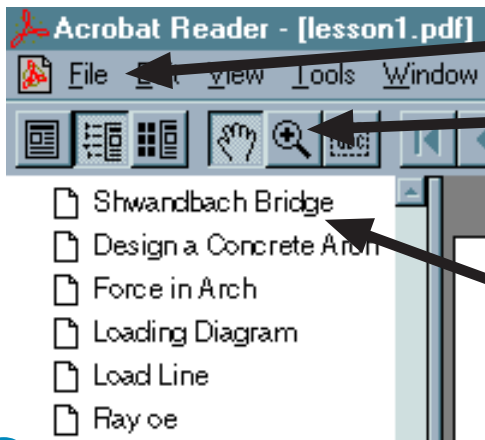
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# Using More Features



Use the **View** button to switch Full Screen View on and off. With Full Screen View off, you can:



Access the menus.

Use the Magnifying Glass to enlarge a portion of the screen.

Use the Bookmarks to jump to different points in a lesson.



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# How Do I...?

**How do I turn menus and toolbars on and off?**

Click the **V** View button.

**How do I print a lesson?**

From the File menu, select Print.

**How do I enlarge portions of the screen?**

Use the Magnifying Glass tool on the tool bar to select the area to be enlarged.

**How do I make text look better on screen?**

From the File menu, Preferences, General..., make sure that Smooth Text and Monochrome Images is checked.

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# Technical Support

For online help using the Adobe Acrobat Reader, go to [Help With Acrobat](#).

For Adobe technical support for the Acrobat Reader, go to [Contacting Adobe](#).

For technical support with the *Shaping Structures: Graphical Techniques* lessons, contact Wiley Technical Support:

Phone: (212) 850-6753 M-F, 9am-4pm EST

Fax: (212) 850-6800 Send faxes to the attention of Wiley Technical Support.

E-mail: [techhelp@wiley.com](mailto:techhelp@wiley.com)

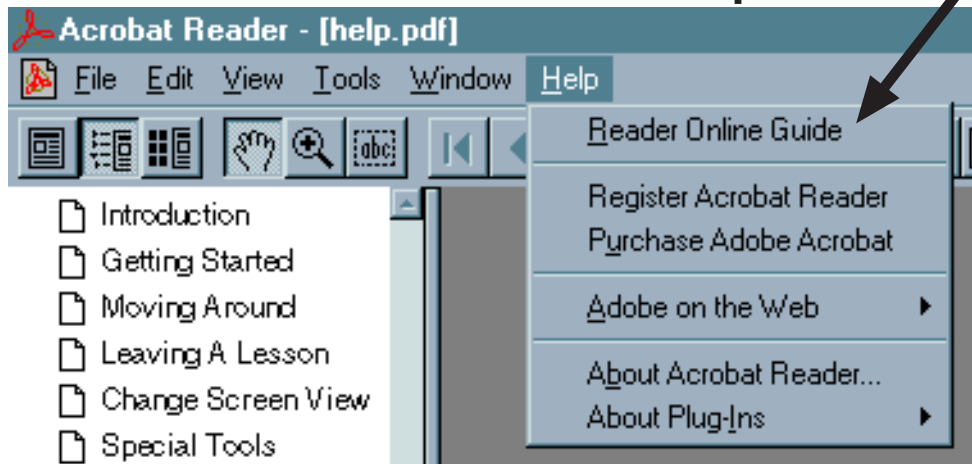
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# Help With Acrobat

For help with Adobe Acrobat Reader, select **Reader Online Guide** from the **Help** menu.



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# Contacting Adobe

See the **Readme** file on the CD-ROM for full details on Adobe technical support options, including:

- A. Visit the Adobe World Wide Web site at <http://www.adobe.com/>.
- B. Request an index of technical solutions via e-mail at [techdocs@adobe.com](mailto:techdocs@adobe.com). Enter "250099" as the subject.
- C. Call Adobe's FaxYI faxback system at 206-628-5737 (in North America) or +44 131 458 3022 (in Europe) and request document number 250099 for an index of technical solutions available via fax.
- D. Visit Adobe's online forums on America Online (keyword ADOBE) or CompuServe (GO ADOBESYS).
- E. Click on the *Next Help Topic* button below to read more about contacting Adobe Acrobat Technical Support by telephone.

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# Adobe Telephone Support

If you reside in the United States or Canada, contact Adobe Acrobat Technical Support between 6:00 a.m. to 5:00 p.m. Pacific Standard Time.

You can either call the (206) number and purchase an Adobe Service Credit for \$25, or call Adobe's Pay-For-Support (900) number. When you call the 900 number, after the first three minutes, \$2.00 per minute will be charged to your phone bill.

Acrobat Technical Support for Windows:  
206-628-2746 (or) 900-555-2200

Acrobat Technical Support for Macintosh:  
206-628-2745 (or) 900-555-3300

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# Installing To Hard Drive

By installing this program to your hard drive, you can run the program without using the cd-rom, and you can increase its speed of operation:

1. Create a new folder on your hard drive, with any name you choose.
2. Copy the file "welcome.pdf" (or "welcome") from the cd-rom to the new folder you just created.
3. Copy the folder "pdf\_docs", and its contents, from the cd-rom to the new folder.

You can now run the program by double-clicking on "welcome.pdf" (or "welcome") on your hard drive.

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# Acknowledgments

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