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The documents in this bookshelf are located in the `labview\manuals` and `labview\help` directories. They also are located on the LabVIEW CD. Refer to the [National Instruments Product Manuals Library](#) for updated documentation resources.

New Users

If you are a new user, read the [Getting Started with LabVIEW](#) manual to familiarize yourself with LabVIEW.

Upgrade Users

If you are upgrading from an earlier version of LabVIEW, refer to the [LabVIEW 7.1 Upgrade Notes](#).

Concepts and Techniques

Use the following [LabVIEW documents](#) to learn basic concepts and programming techniques in LabVIEW:

- [Getting Started with LabVIEW](#)
- [LabVIEW User Manual](#)
- [LabVIEW Measurements Manual](#)
- [LabVIEW Development Guidelines](#)
- [LabVIEW Analysis Concepts](#) (PDF only)
- [Using External Code in LabVIEW](#) (PDF only)
- [Application Notes and White Papers](#) (PDF only)

VI and Function Reference and Step-by-Step Instructions

Use the [LabVIEW Help](#) as a reference for information about VIs and functions and for step-by-step instructions for using LabVIEW features.

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LabVIEW Document Summaries

Getting Started with LabVIEW April 2003

Use this manual to familiarize yourself with the LabVIEW graphical programming environment and the basic LabVIEW features you use to build data acquisition and instrument control applications.

LabVIEW 7.1 Release Notes March 2004

Use these release notes to install and uninstall LabVIEW. The release notes also describe the system requirements for the LabVIEW software and known issues with LabVIEW.

LabVIEW 7.1 Upgrade Notes March 2004

Use these upgrade notes to upgrade LabVIEW for Windows, Mac OS, and UNIX to the latest version. The upgrade notes also describe new features and issues you might encounter when you upgrade.

LabVIEW Quick Reference Card April 2003

Use this card as a reference for information about help resources, keyboard shortcuts, terminal data types, and tools for editing, execution, and debugging.

LabVIEW User Manual April 2003

Use this manual to learn about LabVIEW programming concepts, techniques, features, VIs, and functions you can use to create test and measurement, data acquisition, instrument control, datalogging, measurement analysis, and report generation applications.

LabVIEW Help March 2004

Use this help file as a reference for information about LabVIEW palettes, menus, tools, VIs, and functions. The [LabVIEW Help](#) also includes step-by-step instructions for using LabVIEW features.

LabVIEW Measurements Manual April 2003

Use this manual to learn more about building data acquisition and instrument control applications in LabVIEW. If you are a new LabVIEW user, read the [Getting Started with LabVIEW](#) manual and the [LabVIEW User Manual](#) before you read this manual.

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LabVIEW Application Builder User Guide March 2004

Use this document to learn about the LabVIEW Application Builder, which is included in the LabVIEW Professional Development System and is available for purchase separately. This user guide contains instructions for installing the Application Builder, describes system requirements for applications, and describes the changes introduced between previous versions and the current version. This user guide also describes caveats and recommendations to consider when you build a VI into an application or shared library.

LabVIEW Development Guidelines April 2003

Use this manual to learn how to build VIs that are easy to understand, use, and revise. This manual describes project tracking, design, and documentation techniques. This manual also contains recommended style guidelines.

LabVIEW Analysis Concepts March 2004 (PDF only)

Use this manual to learn about analysis and mathematical concepts in LabVIEW. This manual includes information about signal generation, digital filtering, the fast Fourier transform (FFT) and the discrete Fourier transform (DFT), smoothing windows, curve fitting, probability and statistics, linear algebra, optimization, polynomials, and point-by-point analysis for real-time analysis.

Using External Code in LabVIEW April 2003 (PDF only)

Use this manual to learn how to use Code Interface Nodes and external subroutines to import code written in text-based programming languages. The manual includes information about calling DLLs, shared external subroutines, libraries of functions, memory and file manipulation routines, and diagnostic routines.

VXI VI Reference Manual July 2000 (PDF only)

Use this manual to learn about the VXI VIs for LabVIEW. This manual is a companion guide to the *NI-VXI Programmer Reference Manual* that comes with the VXI hardware. NI recommends using VISA technology for configuring, programming, and troubleshooting instrumentation systems consisting of VXI hardware.

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Application Notes and White Papers

Use the LabVIEW Application Notes to learn about advanced or specialized LabVIEW concepts and applications. Refer to the [NI Developer Zone](#) for new and updated Application Notes.

- [Integrating the Internet into Your Measurement System—DataSocket Technical Overview](#)
- [LabVIEW and Hyper-Threading](#)
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- [Using Apple Events and the PPC Toolbox to Communicate with LabVIEW Applications on the Macintosh](#)
- [Using LabVIEW to Create Multithreaded VIs for Maximum Performance and Reliability](#)
- [Using LabVIEW with TCP/IP and UDP](#)
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