The LabVIEW Style Book

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Drawing on the experiences of a world-class LabVIEW development organization, *The LabVIEW Style Book* is the definitive guide to best practices in LabVIEW development.

Leading LabVIEW development manager Peter A. Blume presents practical guidelines or "rules" for optimizing every facet of your applications: ease of use, efficiency, readability, simplicity, performance, maintainability, and robustness. Blume explains each style rule thoroughly, presenting realistic examples and illustrations. He even presents "nonconforming" examples that show what *not* to do—and *why not*. While the illustrations in the print book are in black and white, you can download full-color versions from the publisher web site for free.

Coverage includes

- Significance of style: How good style improves quality and actually saves time over the full project life cycle
- Before you code: Configuring your LabVIEW environment, and organizing your files on disk and in the LabVIEW project
- LabVIEW project specifications: A specialized standard for specifying LabVIEW application requirements
- Efficient VI layout and development: front panel, block diagram, icons, and connectors
- Data structures: Choosing data types, efficient use of arrays and clusters, and special considerations with nested data structures
- Error handling strategies: Trapping and reporting errors for robust and reliable applications
- Design patterns: Standard VI architectures and application frameworks that promote good style
- Documentation: Essential rules for source code documentation and streamlining the process
- Code reviews: Enforcing a style convention using a checklist, the LabVIEW VI Analyzer Toolkit, and peer reviews
- Appendixes: Convenient glossary and style rules summary

This book will be indispensable to anyone who wants to develop or maintain quality LabVIEW applications: developers, managers, and end users alike. Additionally, it will also be valuable to those preparing for NI's Certified LabVIEW Developer or Certified LabVIEW Architect exams, which contain significant content on development style.

Foreword by Darren Nattinger
Preface
Acknowledgments
About the Author

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