Ultrasonics Spectrometer Code Manual

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Chapter 1

LabView Basics

1.1 Introduction

LabVIEW (short for **Lab**oratory **V**irtual **I**nstrumentation **E**ngineering **W**orkbench) is a development environment for visual programming, developed by National Instruments (www.ni.com). The code files (or program files) are identified by the **.vi** extension called **Virtual Instruments** or **VIs** for short. This graphical language is most commonly used for data acquisition, instrument control, signal processing (analysis), industrial automation, and more.

The next section will cover some basics of LabVIEW design and operation. For additional resources, the current (2013) LabVIEW Getting Started Manual is located here.

1.1.1 Additional Resources

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1.1.2 Advocate the Issue

1.2 Conclusion

Bibliography

[1] Tomás E. Gómez and Álvarez-Árenas. Air-coupled ultrasonic spectroscopy for the study of membrane filters. *Journal of Membrane Science*, 213(1-2):195–207, March 2003.