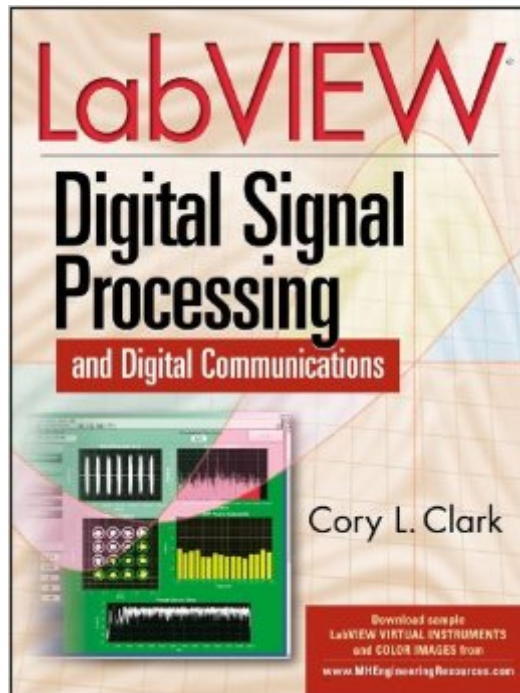


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# LabVIEW Digital Signal Processing: And Digital Communications



## Synopsis

LabVIEW Digital Signal Processing teaches engineers how to use the graphical programming language to create virtual instruments to handle to most sophisticated DSP applications. From basic filters to complex sampling mechanisms to signal generators, LabVIEW virtual instruments (VIs) can make DSP work faster and much less expensive – a particular boon to the many engineers working on cutting edge communications systems.

## Book Information

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Average Customer Review: 3.3 out of 5 stars – See all reviews (3 customer reviews)

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Microelectronics #793 in Books > Textbooks > Computer Science > Object-Oriented Software Design

## Customer Reviews

LabView is a lovely and powerful tool for any student who needs to use DSP. It implements a virtual work bench of standard electronic instrumentation. The text shows how the software offers an intuitive user interface, with many icons and menu options. These let you easily construct a digital filter, using a drag and drop approach to assembling the various components. Having done so, you can drive the circuit with input functions. While also being able to look at the current or voltage versus time at any point in the circuit, and not just at the output. Plus, of course, many filter operations are available. For finding the power spectrum, or doing advanced IIR or FIR filtering. The book does not attempt to delve into the theory of the various filters. But assuming that you already have that background, it shows how LabView lets you apply that knowledge.

I went through couple of chapters of the book and was amazed what a great job the author had

done to explain some of the application using labview as well as dsp/digital communication theory. Especially some of examples and solutions he put together helped me understand some stuff which seem too hard to grasp. I recommend this book not only because it shows how to use labview in dsp and digital communication application, but also its elegant writing.

this book is soooo sophisticated and not educational style at all, the author is speaking to himself may be. to make it simple, this book is not a beginner wants to learn how desin a filter with labview.

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