



Introduction to Engineering: A Starters Guide with Hands-On Analog Multimedia Explorations

By Lina Karam

Morgan & Claypool. Paperback. Book Condition: New. Paperback. 74 pages. Dimensions: 9.2in. x 7.5in. x 0.1in. This lecture provides a hands-on glimpse of the field of electrical engineering. The introduced applications utilize the NI ELVIS hardware and software platform to explore concepts such as circuits, power, analog sensing, and introductory analog signal processing such as signal generation, analog filtering, and audio and music processing. These principals and technologies are introduced in a very practical way and are fundamental to many of the electronic devices we use today. Some examples include photodetection, analog signal (audio, light, temperature) level meter, and analog music equalizer. Table of Contents: Getting Familiar with NI ELVIS Analog Signal Level Meter Using LEDs Noise Removal Using Analog Filters Music Equalizer Using Op-Amps: Volume and Treble Control Music Composer Using 555 Timers This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



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