



Python Programming and GUIs for Electronic Engineers

By Andrew Pratt

Elektor Verlag Jul 2010, 2010. Taschenbuch. Book Condition: Neu. 23.5x17x cm. Neuware - This book is aimed at engineers, scientists and hobbyists who want to interface PCs with hardware projects using graphic user interfaces. Desktop and web based applications are covered. The programming language used is Python, an object-oriented scripting language; a higher level language than, say, C. Obviously having fewer lines of code will be quicker to write but also fewer lines of code means fewer opportunities to make mistakes. Code will be more readable, and easier to modify at a later date. You can concentrate on the overall operation of the system you are making. This abstraction also applies when writing graphic user-interfaces. Writing low level code for graphics and mouse clicks and the like is something that you do not have to do. In Python all this is wrapped up in relatively simple functions. The book guides you through starting with Linux by way of a free downloadable, live bootable distribution that can be ported around different computers without requiring hard drive installation. Practical demonstration circuits and downloadable, full software examples are presented that can be the basis for further projects. As well as discrete digital inputs...



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