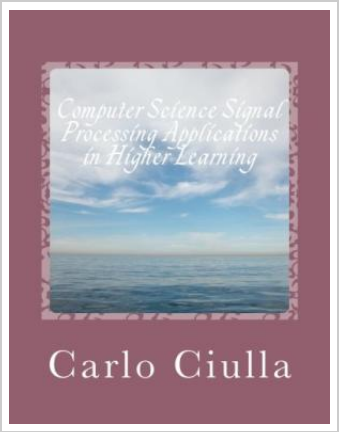

Computer Science Signal Processing Applications in Higher Learning: Computer Science Applications

By -

Createspace, United States, 2012. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.The approach of this book is research-like because initiates the readers process of understanding of the science problem in computing disciplines with a focused practical approach which is driven through the implementation in source code of the theoretical concepts. The combination of structured programming techniques with Graphical User Interfaces and routines employed for data visualization make also possible the discovery of new concepts, which are related to the practicality of the science problem being addressed. Such combination broadens the array of capabilities and skills acquired by the readers and it is also useful to understand the issues in the system development counterpart of the computing project. Combining computing in science settings with system development broaden the array of knowledge provided through the lecture. The treatment of the programming details is expansive and corroborated with explanations of the ANSI C/Visual C++/OpenGL coding along with pictures of the Graphical User Interfaces at work with the OpenGL windows for data visualization. Topics: 1. Whittaker-Shannon interpolation formula 2. k-Space Sampling 3. Direct and inverse Fourier Transformations 4. SRE-based interpolation functions 5. Flow...

Reviews

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