



DAFX: Digital Audio Effects

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The rapid development in various fields of Digital Audio Effects, or DAFX, has led to new algorithms and this second edition of the popular book, *DAFX: Digital Audio Effects* has been updated throughout to reflect progress in the field. It maintains a unique approach to DAFX with a lecture-style introduction into the basics of effect processing. Each effect description begins with the presentation of the physical and acoustical phenomena, an explanation of the signal processing techniques to achieve the effect, followed by a discussion of musical applications and the control of effect parameters. Topics covered include: filters and delays, modulators and demodulators, nonlinear processing, spatial effects, time-segment processing, time-frequency processing, source-filter processing, spectral processing, time and frequency warping musical signals.

Updates to the second edition include:

- Three completely new chapters devoted to the major research areas of: Virtual Analog Effects, Automatic Mixing and Sound Source Separation, authored by leading researchers in the field .
- Improved presentation of the basic concepts and explanation of the related technology.
- Extended coverage of the MATLAB™ scripts which demonstrate the implementation of the basic concepts into software programs.
- Companion website (www.dafx.de) which serves as the download source for MATLAB™ scripts, will be updated to reflect the new material in the book.

Discussing DAFX from both an introductory and advanced level, the book systematically introduces the reader to digital signal processing concepts, how they can be applied to sound and their use in musical effects. This makes the book suitable for a range of professionals including those working in audio engineering, as well as researchers and engineers involved in the area of digital signal processing along with students on multimedia related courses.

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Beverly McKeever:

The actual book DAFX: Digital Audio Effects will bring that you the new experience of reading any book. The author style to clarify the idea is very unique. If you try to find new book to study, this book very suited to you. The book DAFX: Digital Audio Effects is much recommended to you to study. You can also get the e-book in the official web site, so you can more easily to read the book.

Dennis Johnson:

Spent a free time to be fun activity to perform! A lot of people spent their sparetime with their family, or all their friends. Usually they accomplishing activity like watching television, going to beach, or picnic within the park. They actually doing same thing every week. Do you feel it? Do you wish to something different to fill your own personal free time/ holiday? Could possibly be reading a book could be option to fill your cost-free time/ holiday. The first thing that you will ask may be what kinds of guide that you should read. If you want to consider look for book, may be the reserve untitled DAFX: Digital Audio Effects can be excellent book to read. May be it can be best activity to you.

Mario Rice:

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