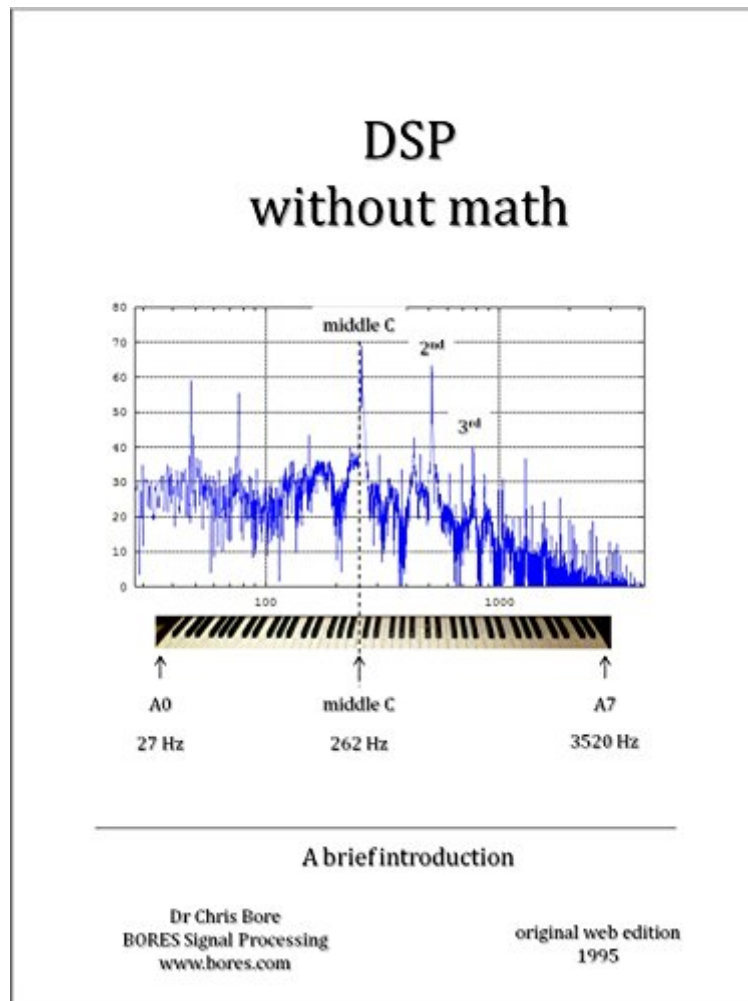


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# DSP Without Math: A Brief Introduction To DSP



## Synopsis

This book is about DSP - Digital Signal Processing. It is a brief introduction to some basic topics in DSP. In it I explain DSP without relying on too much mathematical proof and derivation - instead I explain visually and by thinking what the processes mean in terms we can visualize. When you use DSP in practice you will rarely be asked to derive or prove its theorems - but you will need to be able to see when, how and why to apply those tools. It is not entirely without math - I do quote some formulae and equations - but they are not crucial to following the explanations. I wrote this book in 1994, as the notes to support an industrial short course on DSP, and shortly after made it available as a free on-line book on the (then relatively new) World Wide Web. It became enormously popular, and the statistics show that more than 30,000 people have read the on-line version. In making it available in the Kindle eBook format I have used the original diagrams (which are larger and more legible than their on-line versions) but otherwise am publishing it without revision.. I am happy if you find it helpful but would like you to remember that I wrote this 18 years ago, and I think my later work is very much better. In the 20 years since 1994 I have written and presented many more courses on DSP, have thought more deeply about what really matters in the subject, and have learnt better ways to explain it. Those courses, and their associated on-line books, are available commercially from our web site - [www.bores.com](http://www.bores.com) - and I am in the process of transferring them to the Kindle eBook format (you will find them on 's web site by searching for Kindle books on "DSP"™ and "Image Processing"™).

## Book Information

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Technology

## Customer Reviews

You can't really have Digital Signal Processing without math if you are trying to actually use it for any useful purpose, but if calculus twists your brain into a pretzel this might at least make the pretzel taste a little better ...

Some sections do have equations that seem critical to understanding specific topics. The whole book seems more like cliff notes version of an in-depth book on DSP. I found very few sections to be intuitively understandable, most seemed like instead of writing equations, the author spelled them in English.

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