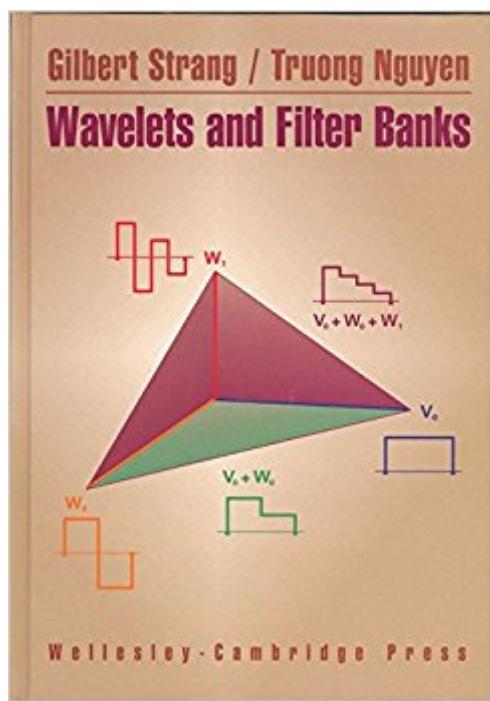


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# Wavelets And Filter Banks



## Synopsis

This text has had an overwhelming response from readers. Praised by some as a marriage between math and engineering, the text features useful and balanced explanations of wavelets for both engineers and mathematicians. The explanations of difficult topics are informal and very approachable, yet rigor is not sacrificed in the process. Also included in Wavelets and Filter Banks are many examples from the MATLAB Wavelet® Toolbox.

## Book Information

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Average Customer Review: 3.5 out of 5 stars (See all reviews) (14 customer reviews)

Best Sellers Rank: #689,203 in Books (See Top 100 in Books) #76 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Power Systems #552 in Books > Science & Math > Mathematics > Mathematical Analysis #557 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits

## Customer Reviews

Ok. I am divulging a secret here. This book is a hidden Gem, who never actually realized its potential, it seems. It packs so much crucial / critical information about DSP, multirate techniques, filter design, multirate system optimization that its simply incredible !!! I however agree with the reviews which rate its difficulty high, and a reviewer claiming that it has been written in bouts of inspiration. I can associate with him, and yet, associate more with the authors, when they set about writing on this topic. Its a huge undertaking for one. The literature was/is exploding all the time. To give a composite picture, they are freaking hard pressed. No wonder, people find it tiring, and give up before they could realize what a gem of a creation it is. Gilbert strang, is really at his best here. He is plunging left , right and center, grasping concepts in his solid hands, and massaging them for palatability. I found the book intimidating too, at first, but looked at other texts. The gaps that others would always leave, this book would come in and fill them, not only fill them, but solidify them, re-enforce them with pure concrete. Since I said I will be divulging , here is my advice on people

starting out with it. Dont take the progression of book too seriously. Its not that its flawed, its just that one cannot appreciate its beauty at the outset. So , do not cover the material as it presents itself. Atleast not the whole of it. And there can be different points of emphasis for people approaching from different directions, but generally, try to glean important DSP details, and leave the multiresolution stuff for a later date. One should keep coming back to it every now and then, and you would see it makes more sense. Chapter three, four and five. And most especially FOUR.

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