



# Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing)

*By Wail A. Mousa, Abdullatif A. Al-Shuhail*

Download now

Read Online ➔

## Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) By Wail A. Mousa, Abdullatif A. Al-Shuhail

This short book is for students, professors and professionals interested in signal processing of seismic data using MATLAB™. The step-by-step demo of the full reflection seismic data processing workflow using a complete real seismic data set places itself as a very useful feature of the book. This is especially true when students are performing their projects, and when professors and researchers are testing their new developed algorithms in MATLAB™ for processing seismic data. The book provides the basic seismic and signal processing theory required for each chapter and shows how to process the data from raw field records to a final image of the subsurface all using MATLAB™.

Table of Contents: Seismic Data Processing: A Quick Overview / Examination of A Real Seismic Data Set / Quality Control of Real Seismic Data / Seismic Noise Attenuation / Seismic Deconvolution / Carrying the Processing Forward / Static Corrections / Seismic Migration / Concluding Remarks

 [Download Processing of Seismic Reflection Data Using MATLAB ...pdf](#)

 [Read Online Processing of Seismic Reflection Data Using MATL ...pdf](#)

# Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing)

*By Wail A. Mousa, Abdullatif A. Al-Shuhail*

**Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing)** By Wail A. Mousa, Abdullatif A. Al-Shuhail

This short book is for students, professors and professionals interested in signal processing of seismic data using MATLAB™. The step-by-step demo of the full reflection seismic data processing workflow using a complete real seismic data set places itself as a very useful feature of the book. This is especially true when students are performing their projects, and when professors and researchers are testing their new developed algorithms in MATLAB™ for processing seismic data. The book provides the basic seismic and signal processing theory required for each chapter and shows how to process the data from raw field records to a final image of the subsurface all using MATLAB™.

Table of Contents: Seismic Data Processing: A Quick Overview / Examination of A Real Seismic Data Set / Quality Control of Real Seismic Data / Seismic Noise Attenuation / Seismic Deconvolution / Carrying the Processing Forward / Static Corrections / Seismic Migration / Concluding Remarks

**Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing)** By Wail A. Mousa, Abdullatif A. Al-Shuhail **Bibliography**

- Sales Rank: #1825523 in Books
- Published on: 2011-09-16
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .23" w x 7.50" l, .41 pounds
- Binding: Paperback
- 100 pages

 [Download Processing of Seismic Reflection Data Using MATLAB ...pdf](#)

 [Read Online Processing of Seismic Reflection Data Using MATL ...pdf](#)

## **Editorial Review**

### **Users Review**

#### **From reader reviews:**

##### **Bryan Smith:**

What do you concentrate on book? It is just for students as they are still students or the item for all people in the world, exactly what the best subject for that? Just simply you can be answered for that query above. Every person has different personality and hobby for each other. Don't to be pressured someone or something that they don't need do that. You must know how great in addition to important the book Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing). All type of book can you see on many solutions. You can look for the internet options or other social media.

##### **Linda Henderson:**

This book untitled Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) to be one of several books which best seller in this year, that is because when you read this reserve you can get a lot of benefit onto it. You will easily to buy this specific book in the book retail store or you can order it by means of online. The publisher in this book sells the e-book too. It makes you quicker to read this book, as you can read this book in your Mobile phone. So there is no reason for your requirements to past this book from your list.

##### **Nolan Russell:**

The book untitled Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) is the reserve that recommended to you you just read. You can see the quality of the publication content that will be shown to you actually. The language that writer use to explained their ideas are easily to understand. The article writer was did a lot of research when write the book, hence the information that they share to you is absolutely accurate. You also will get the e-book of Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) from the publisher to make you a lot more enjoy free time.

##### **Sheila Collins:**

You will get this Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) by visit the bookstore or Mall. Only viewing or reviewing it could possibly to be your solve challenge if you get difficulties for ones knowledge. Kinds of this e-book are various. Not only by written or printed but additionally can you enjoy this book simply by e-book. In the modern era such as now, you just looking by your mobile phone and searching what their problem. Right now, choose your current ways to get

more information about your reserve. It is most important to arrange yourself to make your knowledge are still change. Let's try to choose suitable ways for you.

**Download and Read Online Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) By Wail A. Mousa, Abdullatif A. Al-Shuhail #4MFNS7C9BPR**

# **Read Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) By Wail A. Mousa, Abdullatif A. Al-Shuhail for online ebook**

Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) By Wail A. Mousa, Abdullatif A. Al-Shuhail Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) By Wail A. Mousa, Abdullatif A. Al-Shuhail books to read online.

## **Online Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) By Wail A. Mousa, Abdullatif A. Al-Shuhail ebook PDF download**

**Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) By  
Wail A. Mousa, Abdullatif A. Al-Shuhail Doc**

**Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) By Wail A. Mousa,  
Abdullatif A. Al-Shuhail Mobipocket**

**Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) By Wail A. Mousa,  
Abdullatif A. Al-Shuhail EPub**

**4MFNS7C9BPR: Processing of Seismic Reflection Data Using MATLAB (Synthesis Lectures on Signal Processing) By Wail  
A. Mousa, Abdullatif A. Al-Shuhail**