



Jon Claerbout, geophysics professor emeritus at Stanford University, produces his 5th and final textbook. Earlier books focused on industrial imaging seismology while this addresses more wide-ranging geophysical data.

A graduate of MIT, in 1973 he founded a multi-company-funded research consortium active at Stanford University. He has been elected to membership in the National Academy of Engineering, named a Fellow of the American Geophysical Union, and received the Maurice Ewing Medal of the Society of Exploration Geophysics and the Erasmus Award of the European Association of Geoscientists and Engineers.

"I drew data from diverse, easy-to-understand earth probes. Widely occurring issues are worked through, preparing readers for their own applications. My video lectures from this book are free at my website." -- Jon Claerbout

"Although formally about imaging, this book can be profitably read by anyone doing data analysis of almost any type." --- Carl Wunsch, prof. Physical Oceanography, MIT and Harvard

"Claerbout's books and lectures are to Geophysics what the Feynmann lectures are to physics --- personal, opinionated, and full of brilliant and thought-provoking insights. The dot-product test alone saved me countless hours debugging." --- Peter Shearer, UC San Diego

"I like how it takes apart all that comes into play (adjoints, iterating, smoothing, preconditioning, noise, etc.), and shows what it means in practical terms." --- Jeroen Tromp, Princeton Univ.

"Even in draft form this textbook is one of the most engaging I've ever seen. It has a delightful style." --- Claude Reichard, Director, Stanford Engineering Program on Communication

"Claerbout's books never grow old. "Fundamentals of Geophysical Data Processing" (1976) is on my desk even now!" --- Joe Dellinger, Houston

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"While the brain is probed cylindrically, theory calls for fast Fourier transforms. Here is a way to connect." --- Howard Zebker, EE Dept, Stanford University

"Bush tucker for the brain, thanks Jon!" --- Andrew Long, Kangaroo Flat, PGS, Australia.

"Seismograms require an eclectic selection of math techniques to give up their secrets. Here are the most useful ones, and more. --- John Vidale, Univ. Washington

"...for those who handle data for the fight against the uncertainty of nature and experiment at any level, radar, human-body, remote sensing, satellite, sonar,.. --- Umberto Spagnolini, Politecnico di Milano

"All of Jon's books are written to help you do things, not just to show you how smart the author is. Someone in our department keeps stealing my copy to code stuff up." --- John Etgen, Houston.

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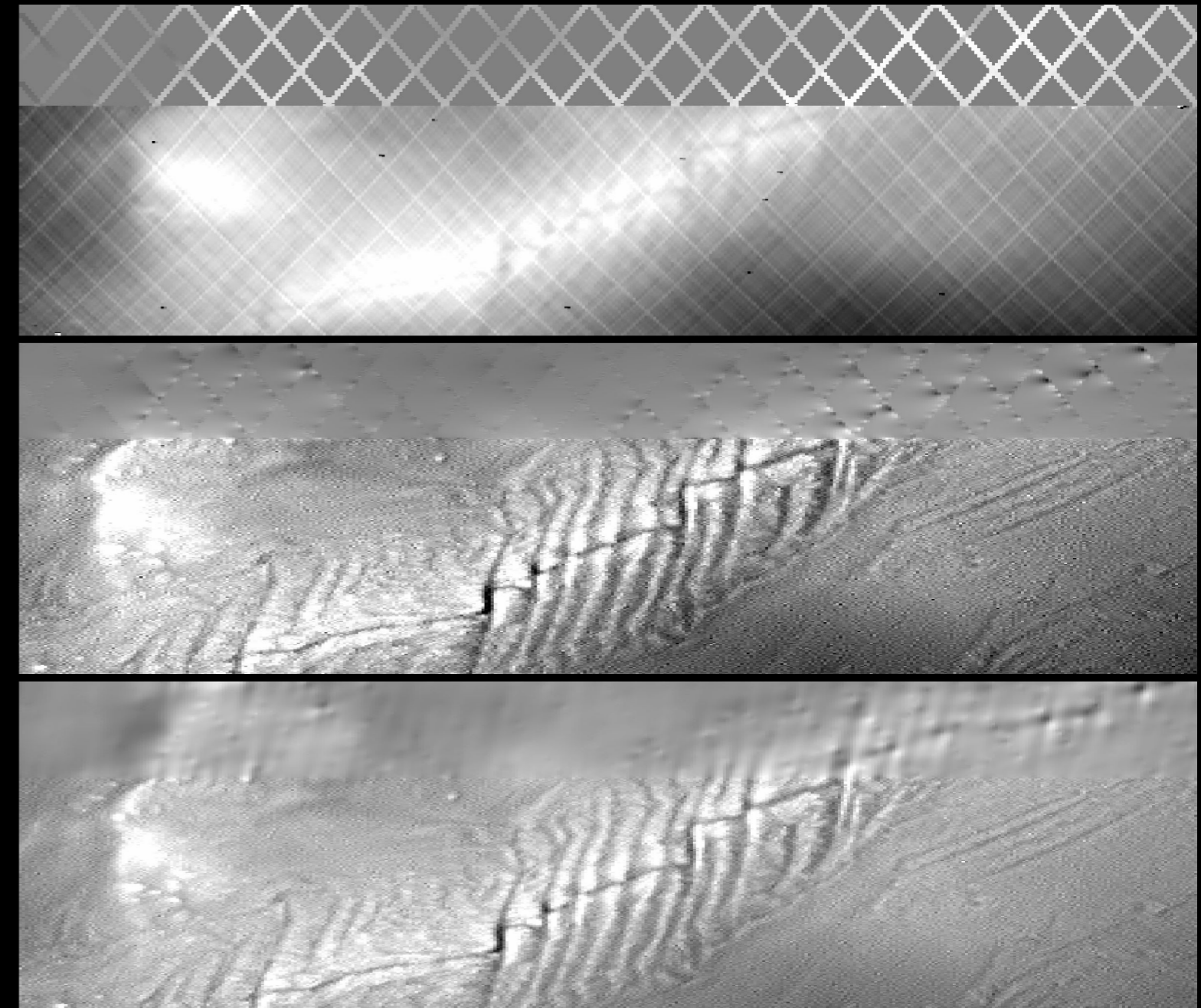
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Geophysical Image Estimation by Example

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Jon Claerbout with Sergey Fomel



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