



# Frequency-Resolved Optical Gating: The Measurement of Ultrashort Laser Pulses

By Rick Trebino

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## Frequency-Resolved Optical Gating: The Measurement of Ultrashort Laser Pulses By Rick Trebino

The Frequency-Resolved Optical-Gating (FROG) technique has revolutionized our ability to measure and understand ultrashort laser pulses. This book contains everything you need to know to measure even the shortest, weakest, or most complex ultrashort laser pulses. Whether you're an undergrad or an advanced researcher, you'll find easy-to-understand descriptions of all the key ideas behind all the FROG techniques, all the practical details of pulse measurement, and many new directions of research.

This book is not like any other scientific book. It is a lively discussion of the basic concepts. It is an advanced treatment of research-level issues.

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*By Rick Trebino*

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#### About the Author

*Rick Trebino* is the Georgia Research Alliance-Eminent Scholar Chair of Ultrafast Optics in the School of Physics at Georgia Tech. He obtained his Ph.D. at Stanford University and has specialized in the measurement of ultrashort laser pulses for the last decade. He is the co-inventor of the FROG techniques as well as other techniques for measuring pulses.

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