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Mark F. Hamilton and David T. Blackstock are Professors of Mechanical Engineering at The University of Texas at Austin. Active in the series of International Symposia on Nonlinear Acoustics (ISNA), they were co-chairs of the 12th ISNA, held in 1990, and editors of the proceedings Frontiers of Nonlinear Acoustics (Elsevier).

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Mark F. Hamilton David T. Blackstock Austin, Texas May, 2008 Preface to the Original Edition This book is an introductory text on the theory and applications of nonlinear acoustics. For nearly 30 years the editors have, between them, taught a graduate course on this topic at the University of Texas at Austin.

Nonlinear Acoustics Mark F. Hamilton and David T ...

Dr. Hamilton conducts research in the area of physical acoustics, particularly nonlinear acoustics. His current research interests include acoustic radiation force on objects of arbitrary shape, nonlinear propagation in media characterized by fractional wave equations, nonlinear wave propagation in biological tissue and granular media, diffraction phenomena in linear and nonlinear sound fields, nonlinear acoustic metamaterials, and single-bubble sonoluminescence in elastic media.

Mark F. Hamilton - Department of Mechanical Engineering

Mark F. Hamilton Through the design of subwavelength structures, nonlinear acoustic metamaterials can be engineered to exhibit regimes of positive and negative incremental stiffness.

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problems in nonlinear acoustics: rayleigh waves, pulsed sound beams, and waveguides mark f. hamilton department of mechanical engineering the university of texas at austin austin, texas 78712-1063 31 august 1993 dtic elected fifth annual summary report onr grant n00014-89-j-1003 prepared for: office of naval research department of the navy

PROBLEMS IN NONLINEAR ACOUSTICS

About Mark F. Hamilton's Work I conduct research in the area of physical acoustics, particularly nonlinear acoustics, and in recent years with an emphasis on biomedical applications. My research involves primarily analytical and computational modelling.

Hamilton, Mark F. - The David and Lucile Packard Foundation

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Mark F. Hamilton is the author of *Nonlinear Acoustics* (3.00 avg rating, 5 ratings, 0 reviews, published 1997) and *Karmic Gems* (0.0 avg rating, 0 ratings,...

Mark F. Hamilton (Author of Nonlinear Acoustics)

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