Application of an Extended Parabolic Equation to the Calculation of the Mean Field and the Transverse and Longitudinal Mutual Coherence Functions Within Atmospheric Turbulence (Paperback)



Filesize: 6.79 MB

Reviews

Definitely among the best book I have possibly read. I have study and i am sure that i will going to go through once more once more later on. Your lifestyle span is going to be convert when you full looking at this publication.

(Prof. Damon Kautzer III)

APPLICATION OF AN EXTENDED PARABOLIC EQUATION TO THE CALCULATION OF THE MEAN FIELD AND THE TRANSVERSE AND LONGITUDINAL MUTUAL COHERENCE FUNCTIONS WITHIN ATMOSPHERIC TURBULENCE (PAPERBACK)



Independently Published, United States, 2018. Paperback. Condition: New. Language: English. Brand new Book. Solutions are derived for the generalized mutual coherence function (MCF), i.e., the second order moment, of a random wave field propagating through a random medium within the context of the extended parabolic equation. Here, "generalized" connotes the consideration of both the transverse as well as the longitudinal second order moments (with respect to the direction of propagation). Such solutions will afford a comparison between the results of the parabolic equation within the pararaxial approximation and those of the wide-angle extended theory. To this end, a statistical operator method is developed which gives a general equation for an arbitrary spatial statistical moment of the wave field. The generality of the operator method allows one to obtain an expression for the second order field moment in the direction longitudinal to the direction of propagation. Analytical solutions to these equations are derived for the Kolmogorov and Tatarskii spectra of atmospheric permittivity fluctuations within the Markov approximation. Manning, Robert M. Glenn Research Center NASA/TM-2005-213841, E-15211.

- Read Application of an Extended Parabolic Equation to the Calculation of the Mean Field and the Transverse and Longitudinal Mutual Coherence Functions Within Atmospheric Turbulence (Paperback) Online
- Download PDF Application of an Extended Parabolic Equation to the Calculation of the Mean Field and the Transverse and Longitudinal Mutual Coherence Functions Within Atmospheric Turbulence (Paperback)

See Also



Genuine new book Essentials of Leadership: Principles and Practice (4th Edition) (U.S.) Shiliboge. (U.S.(Chinese Edition)

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2012-05-01 Pages: 280 Publisher: Welcome to Our Publishing House of Electronics Industry....

Save eBook

»



The Qualcomm Equation: How a Fledgling Telecom Company Forged a New Path to Big Profits and Market

AMACOM, 2005. Condition: New. book.

Save eBook

..



Weebies Family Halloween Night English Language: English Language British Full Colour

Createspace Independent Pub, 2014. PAP. Condition: New. New Book. Delivered from our UK warehouse in 4 to 14 business days. THIS BOOK IS PRINTED ON DEMAND. Established seller since 2000.

Save eBook

..



SAS Urban Survival Handbook: How to Protect Yourself Against Terrorism, Natural Disasters, Fires, Home Invasions, and Everyday Health and Safety Hazards

Skyhorse, 2013. Condition: New. book.

Save eBook

..



Principles & Practice: An Integrated Approach to Engineering Graphics & AutoCAD 2011

Schroff Development Corporation, 2010. Condition: New. book.

Save eBook

»