Volume 2 **Number 1**

December 1997

TRANS BLACK SEA REGION UNION OF APPLIED ELECTROMAGNETISM (BSUAE)

JOURNAL OF APPLIED ELECTROMAGNETISM

Institute of Communication and Computer Systems

Athens - GREECE

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Both theoretical and experimental approaches are welcomed.The journal aims also to promote the cooperation between scientists working on application of electromagnetism internationally and in particular in the Trans Black Sea Region.

PUBLICATION

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Published by electronics technology and distributed by internet and diskettes on request.
Publication period: Querterly.
There will be no publication charges
Expected first issue: October 1997.

INFORMATION FOR AUTHORS

SUBMISSION OF ARTICLES

Review process:
Articles should be submitted through e-mail to the ip address:
email:jae@esd.ece.ntua.gr
Each article will be reviewed by three independent refeeres.Submitted articles should be original and must not have been submitted in parallel to any other journal.

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To take proper account of diffraction influence on optical turbulence effects and at the same time to simplify the problem the "warm rays" method is offered. The method is based on the analogy between the evolution of the density of a warm gas of noninteractive particles and monochromatic optical waves propagating behind a random phase screen, which in many cases is a good model of real atmosphere.

The method allows to obtain a simple in structure expression for the correlation function of intensity fluctuations. To confirm the adequacy of applied assumptions verification is performed by an example of the dynamic phase screen. The diffraction influence on the integral probability function of intensity is also considered. The influence of parameter characterizing the relation of focusing and diffraction of waves is also analyzed.

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