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Accession number:20113714324750

Title:Wave propagation in advanced gyrotron output couplers

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Source title:Journal of Infrared, Millimeter, and Terahertz Waves

Abbreviated source title:J. Infrared. Millim. Terahertz Waves

Volume:32

Issue:7

Issue date:July 2011

Publication year:2011

Pages:887-896

Language:English

ISSN:18666892

E-ISSN:18666906

Document type:Journal article (JA)

Publisher:Springer New York, 233 Springer Street, New York, NY 10013-1578, United States

Abstract:In this paper, we present an FFT based method for fast calculation in a mode converting overmoded circular waveguide with adaptive surface perturbations. The results of this method are compared with those of an existing integral equation approach. © 2011 Karlsruhe Institute of Technology (KIT).