253.
Accession number:20112814137422
Title:Generation of arbitrary terahertz pulse in non-periodically poled lithium niobate
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Source title:Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves
Abbreviated source title:Hongwai Yu Haomibo Xuebao
Volume:30
Issue:3
Issue date:June 2011
Publication year:2011
Pages:221-223+283
Language:Chinese
ISSN:10019014
CODEN:HHXUEZ
Document type:Journal article (JA)
Publisher:Chinese Optical Society, 420 Zhong Shan Bei Yi Road, Shanghai, 200083, China
Abstract:The narrowband terahertz (THz) generation on lithium niobate (LN) crystals with non-periodically poled domain structures was demonstrated. To realize THz pulse shaping, the optimal domain structures were designed by uing simulated annealing (SA) algorithm, for arbitrary preset frequency components and intensities of THz radiation generation. It was demonstrated that this method is feasible in THz pulse shaping.
Number of references:13