



Molecular Crystals and Liquid Crystals

Publication details, including instructions for authors and subscription information:

<http://www.tandfonline.com/loi/gmcl16>

A Contributed Paper on Third Order Nonlinear Susceptibilities in Polydiacetylenes: an Update

Gary M. Carter^a, Yung Jui Chen^a & Sukant Tripathy^a

^a GTE Laboratories Inc., 40 Sylvan Road, Waltham, MA, 02254

Version of record first published: 20 Apr 2011.

To cite this article: Gary M. Carter, Yung Jui Chen & Sukant Tripathy (1984): A Contributed Paper on Third Order Nonlinear Susceptibilities in Polydiacetylenes: an Update, *Molecular Crystals and Liquid Crystals*, 106:3-4, 404-404

To link to this article: <http://dx.doi.org/10.1080/00268948408071457>

PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: <http://www.tandfonline.com/page/terms-and-conditions>

This article may be used for research, teaching, and private study purposes. Any substantial or systematic reproduction, redistribution, reselling, loan, sub-licensing, systematic supply, or distribution in any form to anyone is expressly forbidden.

The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae, and drug doses should be independently verified with primary sources. The publisher shall not be liable for any loss, actions, claims, proceedings, demand, or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

Mol. Cryst. Liq. Cryst., 1984, Vol. 106, p. 404
0026-8941/84/1064-0404/\$18.50/0
© 1984 Gordon and Breach, Science Publishers, Inc.
Printed in the United States of America

A CONTRIBUTED PAPER ON THIRD ORDER NONLINEAR
SUSCEPTIBILITIES IN POLYDIACETYLENES: AN UPDATE

GARY M. CARTER, YUNG JUI CHEN, and SUKANT TRIPATHY
GTE Laboratories, Inc.
40 Sylvan Road
Waltham, MA 02254

Abstract. A novel technique to measure $\chi^{(3)}(\omega)$ for thin films of polydiacetylenes is described. Preliminary results for wavelengths in the visible and near infrared are presented for a polydiacetylene in the form of a planar waveguide.