# Broadband *Z*-scan characterization using a high-spectral-irradiance, high-quality supercontinuum: erratum

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Received July 10, 2009;
posted July 10, 2009 (Doc. ID 114034); published July 31, 2009


*OCIS codes:* 190.4400, 300.6420.

In our previous paper [1], Fig. 9, the nonlinear refractive cross section ($\delta_r$ expressed in RGM=$10^{-50}$ cm$^4$ s) shows values of $\delta_r$ three orders of magnitude too small. The corrected Fig. 9 from [1] is presented below:

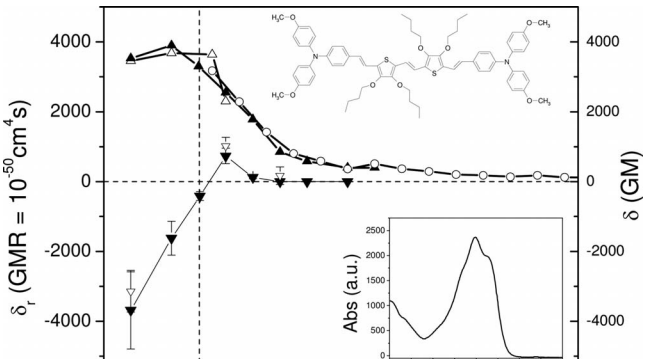


Fig. 1. 2PA spectrum and $n_2$ dispersion for sample 1 (upper right in figure). ○, 2PA measured by two-photon fluorescence; △, 2PA via single-wavelength *Z* scan; ▲, 2PA via WLC *Z* scan; □, nonlinear refraction via single-wavelength *Z* scan; ▼, nonlinear refraction via WLC *Z* scan. In the insets we show the linear absorption spectrum and the molecular structure.

This results in a maximum figure of merit (text of [1], page 163), $\delta_r/\delta$, for sample 1 of approximately unity.

## REFERENCE

1. M. Balu, L. A. Padilha, D. J. Hagan, E. W. Van Stryland, S. Yao, K. Belfield S. Zheng, S. Barlow, and S. Marder, "Broadband *Z*-scan characterization using a high-spectral-irradiance, high-quality supercontinuum," J. Opt. Soc. Am. B **25**, 159–165 (2008).

 