

Title	Non-instantaneity of $\chi^{(3)}$ nonlinear optical effects
Authors	Susanta K. Das, Martin Bock, Ruediger Grunwald, Bastian Borchers, Günter Steinmeyer. <i>Max-Born-Institut, Germany</i> Janne Hytti <i>Optoelectronics Research Centre, Finland</i> Detelf Ristau, Uwe Morgner <i>Laserzentrum Hannover, Germany</i> T. Vockerodt <i>Universität Hannover, Germany</i>
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Abstract	We present direct experimental evidence for a non-instantaneous nonlinear response in TiO ₂ . An asymmetry in interferometric FROG measurements indicates a relaxation time constant of about 5 fs.
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