Direct Writing with Tilted-Front Femtosecond Pulses

Aabid Patel, Yuri Svirko, Charles Durfee, and Peter G. Kazansky

Scientific Reports

**Read me file:**

**University of Southampton – ORC – Aabid Patel – ap7g12@orc.soton.ac.uk**

**Available Files:**

**SSTF\_wavefronts.pptx.** Figures of wavefronts to simulate wavefront rotation of 2 cases

**Voids\_trapping.pptx** Powerpoint containing idea behind trapping mechanism discussed in manuscript

**Figure\_1 to Figure\_10.jpg** Final figures used for manuscript

**TransitionPlot.opj** Dataset of transition point as a function of writing speed

**test1.mov.** Video showing evolution of PFT in and out of focusing for the +PFT case

**test2.mov.** Video showing evolution of PFT in and out of focusing for the –PFT case

**01-10-2015.zip, 12-04-2015.zip, 13-04-2015.zip, 15-04-2015.zip, 17-04-2015.zip and 20-04-2015.zip** Collection of all raw optical and birefrigent images over duration of experimentation.

**Date of data collection:** from April 2015 - October 2015

**Information about geographic location of data collection:** University of Southampton, U.K.

**Date that the file was created:** September 2017