


Correction

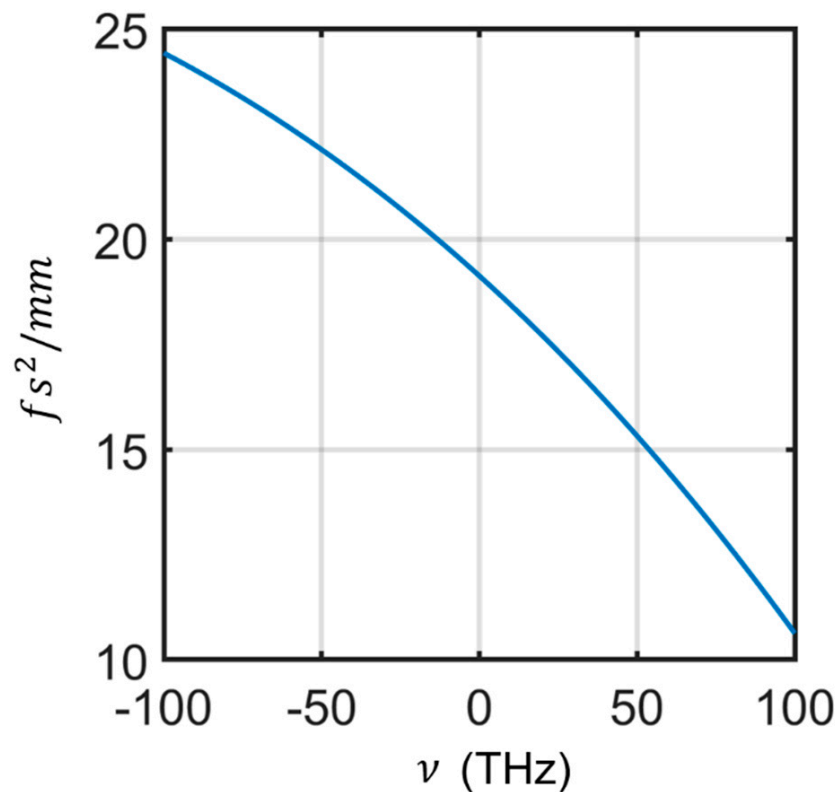
# Correction: Zia, H. Enhanced Pulse Compression within Sign-Alternating Dispersion Waveguides. *Photonics* 2021, 8, 50

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### Error in Figure 2

In the original article [1], there was a mistake in Figure 2 as published. The figure was not shown over the complete range of interest. The corrected Figure 2 appears below. The authors apologize for any inconvenience caused and state that the scientific discussion and conclusions are unaffected. The original article has been updated.



**Figure 2.** Group velocity dispersion in  $f s^2 / mm$  plotted with respect to envelope angular frequencies, across the bandwidth range of interest in an example normal dispersion fiber (Corning hi1060flex).

### Error in Figure 4

In the original article [1], there was a mistake in Figure 4 as published. The numbers on the right y-axis were missing the last digit. The corrected Figure 4 appears below. The authors apologize for any inconvenience caused and state that the scientific discussion and conclusions are unaffected. The original article has been updated.



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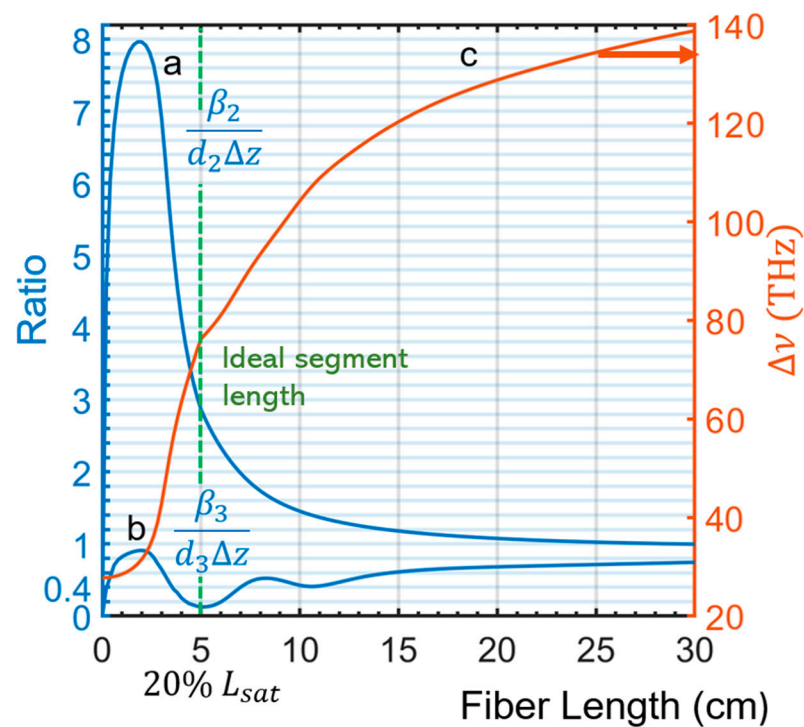
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**Figure 4.** GNLSE simulation results. Curve a is the  $1/e$  angular frequency bandwidth of the spectral energy density (in THz) versus propagation distance up to the normal dispersion fiber's saturation length. Curve b is the plot of the ratio of the second-order spectral phase coefficient,  $\beta_2$ , of the SCG pulse to that when there is no nonlinear effect ( $d_2\Delta z$ , versus propagation in the normal dispersion fiber. Curve c is the plot of the ratio of the third-order spectral phase coefficient,  $\beta_3$ , of the SCG pulse to the third-order spectral phase coefficient in the absence of any nonlinear effect ( $d_3\Delta z$ ) versus the propagation in the normal dispersion fiber.

#### Text Correction

There was an error in the original article [1]. The  $1/e$  pulse duration for the simulations in Section 3.1 was listed as 72 fs. However, this is the half duration, and not the full  $1/e$  pulse duration. Thus, a correction to 144 fs was made in the corresponding place in the paper.

A correction was made to Section 2.2, Paragraph 2 (shown in bold letters):

For input, in Section 3.1, a transform-limited Gaussian pulse ( $1/e$  power duration,  $\tau$ , of **144 fs**), with a pulse energy of 2 nJ is used. The peak power and duration of this input pulse renders that SCG here is in the SPM-dominated regime of the ND fiber. We find that the typical characteristic spectral phase evolution of the SCG pulse in the SPM-dominated regime is shown with these parameters.

The authors apologize for any inconvenience caused and state that the scientific discussion and conclusions are unaffected. The original article has been updated.

#### Reference

1. Zia, H. Enhanced Pulse Compression within Sign-Alternating Dispersion Waveguides. *Photonics* **2021**, *8*, 50. [[CrossRef](#)]