

Errata for
“The Fractional Fourier Transform and Applications”
by David H. Bailey and Paul N. Swartztrauber
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Please note the following errors in this article as printed in *SIAM Review*. First, equation (17) should read

$$z_j = e^{\pi i(j-2p)^2\alpha} \quad 2p - m \leq j < 2p$$

Second, immediately after equation (22), the current text states that “the remainder of the algorithm is unchanged.” This is not quite true. When s is nonzero, equations (18) and (19) become

$$G_{k+s}(\mathbf{x}, \alpha) = e^{-\pi i(k+s)^2\alpha} \sum_{j=0}^{2p-1} y_j z_{k-j} \quad 0 \leq k < m$$
$$G_{k+s}(\mathbf{x}, \alpha) = e^{-\pi i(k+s)^2\alpha} F_k^{-1}(\mathbf{w}) \quad 0 \leq k < m$$