Erratum to “New properties and representations for members of the power-variance family. II”

[Lith. Math. J., 53(1):103–120, 2013]

Vladimir Vinogradov^a, Richard B. Paris^b, and Olga Yanushkevichienė^c

^a Department of Mathematics, Ohio University, Athens, OH 45701, USA

^b School of Computing, Engineering and Applied Mathematics, University of Abertay Dundee, Dundee DD1 1HG, UK

^c Institute of Mathematics and Informatics, Vilnius University, Akademijos 4, LT-08663 Vilnius, Lithuania
(e-mail: vinograd@ohio.edu; r.paris@abertay.ac.uk; olga.januskeviciene@mii.vu.lt)

Received February 27, 2014

Formulas (4.6) and (4.7) of our article [3] should read as follows:

$$f_{4,\mu,\lambda}(x) \sim \sqrt{\frac{\lambda}{2\pi x^4}} \exp\left(-\frac{\lambda}{6x^2} - \frac{\lambda x}{3\mu^3} + \frac{\lambda}{2\mu^2}\right) \sum_{j=0}^{\infty} \frac{(-1)^j}{j!} \left(\frac{1}{6}\right)_j \left(-\frac{1}{6}\right)_j \left(\frac{6x^2}{\lambda}\right)^j$$

and

$$\mathcal{Z}_j\left(-\frac{2}{3}\right) = \frac{(-2/3)^j (1/6)_j (-1/6)_j}{j!}.$$

Also, formula (4.16) of the same article should read

$$\phi(1, 0, z) \equiv z^{1/2} I_1(2z^{1/2}).$$

In addition, we wish to mention that there exists a set of (E.I.) Zolotarev polynomials that are completely different from (V.M.) Zolotarev polynomials considered in [2, 3]. Unfortunately, we have learned about (E.I.) Zolotarev polynomials only after the publication of [3]. See [1] for more information on (E.I.) Zolotarev polynomials.

References

1. Z. Grinshpun, A remark on the representation of Zolotarev polynomials, *Bull. London Math. Soc.*, **40**(1):139–142, 2008.
2. V. Vinogradov, R.B. Paris, and O. Yanushkevichienė, New properties and representations for members of the power-variance family. I, *Lith. Math. J.*, **52**(4):444–461, 2012.
3. V. Vinogradov, R.B. Paris, and O. Yanushkevichienė, New properties and representations for members of the power-variance family. II, *Lith. Math. J.*, **53**(1):103–120, 2013.

DOI of original article: 10.1007/s10986-013-9197-5