Page Correction

3 At the end of line 8, read Sadleirian for Sadlerian.
7 In line 28, read discernible for discernable.
10 In line 27, read genesis for geneses.
50 In line 14, there appears a less than or equal to sign with two bars in it rather than the customary one, \( \leq \). This is not a mathematical mistake, per se, but some readers (such as the one who noticed it) might think that something different is meant here because of the difference in notation. Thus, if possible, replace the two-bar inequality sign by \( \leq \).
53 In line 11, read Thus for This.
58 Between lines 2 and 3, add the following sentence: Assume that there exists a positive constant \( c \) such that
\[ G(x) \gg e^{-c\sqrt{x}} \]
as \( x \to \infty \). (The present line 3 consisting of the single word “Put” can be put on the same line as the phrase, “as \( x \to \infty \).”)
58 Lines 11–14. Delete the entire paragraph beginning with “Examples of functions . . . ”. Replace the paragraph by the following paragraph:
The following result from Feller’s text [1, pp. 219, 227] has a superficial resemblance to Entry 10. If \( \varphi(x) \) is bounded and continuous for \( 0 \leq x < \infty \), then
\[ e^{-\lambda \theta} \sum_{k=0}^{\infty} \varphi\left(\frac{k}{\lambda}\right)\frac{(\lambda \theta)^k}{k!} \to \varphi(\theta), \]
as \( \lambda \to \infty \), uniformly in every finite interval in \( \theta \).
58 In line 5b, read “and” for “amd”.
61 In line 10, read \( \left[\sqrt{x}/(6A)\right] \) for \( \left[\sqrt{x}/6A\right] \). In otherwords, I have inserted parentheses for clarity.
61 In line 15, replace the whole line by “\( < T^{-N}, \)”.
61 In line 16, at the beginning of the line insert the phrase: “for some constant \( T > 0 \) and”. Thus, the complete line should now read: for some constant \( T > 0 \) and for every \( y \in I_2 \). Therefore, as \( x \) tends to \( \infty \),
In line 17, read $T^{-N}$ for $2^{-N}$.

In line 4b, read $B$ for $B$.

In line 8, a factor of $e^{-x}$ is missing in the definition of $S_2$, i.e., read

$$S_2 = e^{-x} \sum_{k \geq 2x} \frac{x^k p(k)}{k!}.$$ 

In line 3, at the right end, add the phrase: for some constant $T > 0$.

In line 4, replace $2^{-N}$ by $T^{-N}$.

In lines 5b–1b, replace $\leq$ by $\ll$ in each instance.

In line 2b, replace $m$ by $M$.

In line 1b, replace the exponent $2k$ by $k$.

In line 1, read $N \leq \sqrt{x}/(6A)$ for $N \leq \sqrt{x}/6A$. In otherwords, I have inserted parentheses for clarity.

In line 3, replace $\leq$ by $\ll$.

In line 12 read an for a.

In lines 4,5, delete the entire sentence “In Ramanujan’s formulation . . . “the first term . . .”

In lines 4 and 6, replace (6.4) by (I1) a total of three times.

In lines 4 and 6, replace $z$ by $x$ in each line.

In line 1 read $H_{2k-1}$ for $H_k$.

In line 4, read $H_k$ for $h_k$.

In line 11, i.e., in Entry 17, read $|x| < \pi/4$ for $|x| < \pi/2$.

In line 13, read $|x| < \pi/4$ for $|x| < \pi/2$.

In line 9b, i.e., in Corollary (i), replace For $|x| \leq 1$, by For $-3+\sqrt{8} \leq x \leq 1$.

In line 2b, i.e., in Corollary (ii), replace $|x| \leq \pi/4$ by $|x| \leq \pi/8$.

In line 6b read $d_k$ for $d^k$.

In lines 9b–6b, the sentence, “Ramanujan was also . . . .” should be replaced by “The classical text of J. Edwards [2, vol. 2, pp. 337–342] has an informative section on Frullani’s theorem and some generalizations.”

In line 3, replace the period by a comma (after $(\pi/4)e^{-an}$).

In lines 2–4, delete the huge square bracket at the right.

The reference in line 9 (for the paper by Acreman and Loxton) can be completed. It should read: Aequa. Math. 30 (1986), 106–117.

Under the author Balakrishnan, in reference [1], the reference can be completed and the last part should read: 46 (1982), 181–187.


In line 9b, read $(\frac{1}{4})^3$ instead of $(\frac{1}{4})^4$. 