•Minor errata.

Preprint only. (Preprint page 1, line 7.) After "has only real zeros" adjoin the parenthetical "(unless identically zero)".

Page 184, line 11. (Preprint page 2, line -16.) In the expression "zeros of the $\xi(s)$" remove "the".

Page 185, line -7. (Preprint page 3, line -1.) In the expression "$(G * dF_n)(s)$" replace s with z.

Preprint only. (Preprint page 4, line 6.) Change "If the s_n" by adding "sequence" before "s_n".

Page 186, line 5. (Preprint page 4, line 12.) In the upper limit of the first displayed integral, replace x with s.

Page 187, line 9. (Preprint page 5, line 13.) Change "for radius" to "of radius".

Page 187, line -7. (Preprint page 5, line -7.) In "$O(\epsilon^{1+1/n})$" put an absolute value around the ϵ.

Page 188, line 3. (Preprint page 6, line 3.) In "$O(\epsilon^{1+1/n})$" put an absolute value around the ϵ.

Preprint only. (Preprint page 8, line -7.) The word "different" should not be repeated.

Page 192, lines 2 and 5. (Preprint page 9, lines -9 and -6.) Replace P with P_n in three places.

Page 192, line -13. (Preprint page 10, line 7.) After "has simple, real zeros" adjoin the parenthetical "(unless identically zero)".

Page 193, line -12. (Preprint page 11, line 3.) In "were $X_i = \pm 1$" change "were" to "where".

Page 194, line 11. (Preprint page 11, line -4.) The number "0.957505" should end in a 4 rather than a 5.

Page 194, line 14. (Preprint page 11, line -1.) In "genus it too large" change "it" to "is".

Page 194, line 17. (Preprint page 12, line 3.) The function rule for F should begin with the case $F(x) = 1$ when $x > 1$.

Page 194, line -13. (Preprint page 12, line 6.) After "has only simple, real zeros" adjoin the parenthetical "(unless identically zero)".

Preprint only. (Preprint page 12, line 12.) The word "the" should not be repeated.

Preprint only. (Preprint reference [Pól26].) In the title replace "Riemannsche" with "Riemannschen".

Reference [13]. (Preprint reference [Rie60].) In the title replace "gegenbenen" with "gegebenen". In the preprint only, later replace "aus der Jahre" with "aus dem Jahre".

Preprint only. (Preprint reference [Rub98].) Replace "Mathematis" with "Mathematics".

•Progress on open questions

The problem posed in Example 2 likely has a negative answer. The Gaussian case appears to be settled by the nonnegativity of the de Bruijn-Newman constant, and the non-Gaussian case can probably be covered by modifications of a result of Lagarias from 2005.

•Formalization

The results in the paper have been formally verified, subject to the corrections above.