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GAFA Geometric And Functional Analysis

Errata to: THE DISTRIBUTION OF VALUES OF $L(1, \chi_d)$, by A. Granville and K. Soundararajan in GAFA 13:5 (2003)

Some notational errors have been discovered in this paper:

1. Page 993, Line -7: For "The proportion of fundamental discriminants" read "The number of fundamental discriminants"
2. Page 1009, Line 1: For $\sum_{|d|\le x}^{\flat}(d/n)$ read $\sum_{|d|\le x}^{\flat}\left(\frac{d}{n}\right)$.
3. Page 1009, Line -12: For $\sum_{|d|\le x}^{\flat}(d/n)$ read $\sum_{|d|\le x}^{\flat}\left(\frac{d}{n}\right)$.
4. Page 1010, Line -9: For $\psi(\cdot)(\cdot/n_0)$ read $\psi(\cdot)\left(\frac{\cdot}{n_0}\right)$.
5. Page 1010, Line -7: For $\sum_{|d|\le x}^{\flat}(d/n)$ read $\sum_{|d|\le x}^{\flat}\left(\frac{d}{n}\right)$.
6. Page 1011, Line 10: For $(m_1m_2/\cdot$ read $\left(\frac{m_1m_2}{\cdot}\right)$.
7. Page 1012, Line 5: For $\sum_{|d|\le x}^{\flat}(d/n)$ read $\sum_{|d|\le x}^{\flat}\left(\frac{d}{n}\right)$.
8. Page 1013, Line 7: For $\sum_{|d|\le x}^{\flat}(d/n)$ read $\sum_{|d|\le x}^{\flat}\left(\frac{d}{n}\right)$.
9. Page 1021, Lines -1 and -3: For
$$\sum_{|d|\le x}^{\flat}\Big|\sum_{y\le p\le z}\frac{d/p}{p}\Big| \ll \dots\dots$$
read
$$\sum_{|d|\le x}^{\flat}\Big|\sum_{y\le p\le z}\frac{\left(\frac{d}{p}\right)}{p}\Big| \ll \dots\dots$$
10. Page 1023, Lines 7 and 13: For
$$\Big|\sum_{y\le p\le z}\frac{d/p}{p}\Big| \le \dots\dots$$

read

$$\left| \sum_{y \le p \le z} \frac{\left(\frac{d}{p}\right)}{p} \right| \le \dots\dots$$

11. Page 1024, (9.3): For

$$\cdots = \sum_{n \le N} \frac{(n/q)}{n} + O\left(\frac{q}{N}\right).$$

read

$$\cdots = \sum_{n \le N} \frac{\left(\frac{n}{q}\right)}{n} + O\left(\frac{q}{N}\right).$$

12. Page 1024, Line -2: For $(ln/\cdot)$ read $\left(\frac{ln}{\cdot}\right)$

13. Page 1026, Lines 3, 8 and 12: For ℓ/pq read $\left(\frac{\ell}{pq}\right)$.

14. Page 1026, Line 6: For $((2/p), (3/p), \dots, (\ell_{\max}/p))$ read $\left(\left(\frac{2}{p}\right), \left(\frac{3}{p}\right), \dots, \left(\frac{\ell_{\max}}{p}\right)\right)$.

15. Page 1026, Line 19: For

$$\cdots \frac{p/d}{p} \cdots$$

read

$$\cdots \frac{\left(\frac{p}{d}\right)}{p} \cdots$$

16. Page 1027, Line 11: For

$$\cdots \left(1 - \frac{p/d}{p}\right)^{-1} \cdots$$

read

$$\cdots \left(1 - \frac{\left(\frac{p}{d}\right)}{p}\right)^{-1} \cdots$$