

Corrections (February 2003) to our article “On the central critical value of the triple product L-function”
(appeared in: Number Theory 1993-94, 1-46. Cambridge University Press, 1996)

- **p.5:**
1.8 f.a.: read $(L_\alpha^{(b)} f)$ rather than $(L_\alpha^{(b)})$
- **p.5:**
1.9 f.b. read $\partial_{12}X_2$ rather than $\partial_{12}X_1$
- **p.7:**
1.12 f.b.: read ”(1.9)” rather than ”(1.10)”
- **p.7:**
Skip the sentences ”It is easy...” (1.8 f.b.) until ”...polynomial in $\partial_{12}, \partial_{13}, \partial_{23}$ (1.5 f.b.)
- **p.7:**
1.4.f.b.: read a' rather than a
- **p.7:**
1.3 f.b.:Formula (1.11) should read

$$\frac{2^b 2^{a'} (2i)^{3a'}}{(\alpha + a')^{[b]} b!} (\partial_{12} \partial_{13} \partial_{23})^{a'} (\partial_{12} X_2 + \partial_{13} X_3)^b$$

- **p.9:**
1.11 f.a.: read a' rather than a
- **p.12**
1.8 f.b.: the formula should be

$$A(s, b) = (-1)^b \cdot \frac{2^{-a} (2s - 2)^{[a]} (s)^{[a']} (2s + a - 2)^{[b]}}{b! (s + a' - 1)^{[b]}}$$

- **p.13:**
in formula (2.11)

$$(g < Z >^*) \quad \text{rather than} \quad \times < g < Z >^*$$

$$\det^{k+a} \quad \text{rather than} \quad \det^{k+a}$$

- **p.17:**
l.7 f.b.: read h' rather than h
- **p.18:**
delete factor 2 in formula (2.28)
- **p.32**
in formula (4.1) read $L_p(f, \phi, \psi, s + 3a' + 2r + b - 2)$
- **p.33**
Formula (4.3) is correct only under the additional assumption $r = 2$
- **p.33**
In (4.3) read ζ rather than zeta
- **p.33**
In the functional equation (4.4) the exponent of N should be $-4(s - \frac{k_1+k_2+k_3}{2} + 1)$; the exponent of $\gcd(N_f, N_\phi, N_\psi)$ should be $-(s - \frac{k_1+k_2+k_3}{2} + 1)$
- **p.34:**
l.10: read allows for $p \mid N$ rather than allows for $p \nmid N$
- **p.35:**
l.5.f.a.: read (2.1) rather than (2.2)
- **p.37:**
l.9 f.b. read $i^{3a'} \pi^{3a'+b}$ rather than π^{3a+2b}
- **p.37:**
l.7 f.b: read $(i^{3a'} \pi^{3a'+b})^{-1}$ rather than π^{-3a-2b}
- **p.38:**
in formula 5.4: read $i^{3a'} \pi^{3a'+b}$ rather than π^{3a+2b}

- **p.42:**

In Lemma 5.5 and in line 19 read

$$\left(\sum_{i=1}^h \frac{T_0(\varphi_f(y_i) \otimes \varphi_\phi(y_i) \otimes \varphi_\psi(y_i))}{e_i} \right)$$

- **p.44:**

The first line of formula (5.9) should read

$$\begin{aligned} & (-1)^{\omega(N)+\omega(M_1, M_2)} 2^{5+3b+8a'-\omega(\gcd(N_f, N_\phi, N_\psi))} \pi^{5+6a'+2b} \\ & \times N^2 (M_1 M_2)^{-3} M_3^{-6} \frac{1}{\binom{b}{\nu_2}} \frac{b!(a'+1)^{[b]}}{2^{[a]} 2^{[a']}(a+2)^{[b]}} \\ & \times \frac{(a'+b+1)\Gamma(2a'+b+2)}{\Gamma(3a'+b+2)\Gamma(a'+\nu_2+1)\Gamma(a'+\nu_3+1)} \end{aligned}$$

- **p.45:**

l.8.f.a.: Nagoya Math.J.147(1997), 71-106

- **p.45**

l.3 f.b.: Comm.Math.Univ.S.Pauli 48(1999), 103-118