

# ATLAS of Brauer Characters – Corrections

March 4, 2004

This is the list of known errors in the ATLAS of Brauer Characters.

We denote mathematical errors by \*\*\*. We use C to denote improvements concerning grammar or notational consistency. Changes are shown in order of appearance.

## The Tables

- \*\*\* p. 22  $L_3(3)$  : In the 13 modular table, change 12A 12A to 12A \*.
- \*\*\* p. 79–81  $U_3(5)$  : In  $G.2$ , change 6C to 6D and 8B to 8C where applicable.
- \*\*\* p. 108  $S_4(4)$  : In  $G.4$ , insert fusion signs joining characters 3 and 4, 6 and 7, 9 to 12, 13 and 14.
- \*\*\* p. 118  $L_3(7)$  : Change  $D * 40$  to  $D * *5$ .
- C p. 181  $U_5(2)$  : Change chis to phis.
- C p. 186  $L_3(8)$  : Rewrite  $y'63 * * - z21 * 10&17$  to  $y'63 * * + z7$ . (Both expressions are equal.)
- \*\*\* In the third and fourth degree 511 rows of the 73 modular table, exchange the indicators o6 and o2 in  $G.3$ .
- \*\*\* p. 204–205  $L_3(9)$  : In the 7 modular table of  $G.2_1$ , change the indicator of the second degree 910 character from ++ to ++2. In the 13 modular table of  $G.2_3$ , change the indicator of the second degree 91 character from oo to oo2.
- \*\*\* p. 206  $U_3(9)$  : Change the value of the first degree 584 character on the class 5EF from \* to  $2 + b5*$ .

## Appendix 1

- C p. 284 : Add the entry  $w41 * 3|X^3 + X^2 + X|C_5$ .
- \*\*\* p. 286 : The entries for  $b29$  and  $b29*$  must be as follows.  $b29|X + 2|C_2$ ,  $b29 * |2X|C_2$ .
- \*\*\* p. 288 : Replace  $y9 * *$  by  $y9 * 2$ .

The number of changes of each type is as follows: 9 \*\*\* 3 C.

Last update 4 March 2004.