A University of Sussex DPhil thesis

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In Table 3.2, the number of inequivalent complete (16,3)-arcs is given as 1573677; this is an error, 1573677 is the number of such arcs that are stabilized by the automorphism group $Z_1$. This error is carried through to the number of inequivalent incomplete (16,3)-arcs, also in Table 3.2, to the number of complete (16,3)-arcs that are stabilized by the automorphism group $Z_1$, given in Table 3.3, and to the number of incomplete (16,3)-arcs that are stabilized by the automorphism group $Z_1$, given in Table 6.4. The error in Table 3.3 is duplicated in Table 6.2. Therefore, in Table 3.3, the entry $Z_1 : 1572804$ is to be replaced by $Z_1 : 1573677$.

In Table 3.2, the entry $16 | 1573677$ is to be replaced by $16 | 1574490$ and the entry $16 | 31342655$ is replaced by the entry $16 | 31341842$.

In Table 6.2($n = 16$), the entry $Z_1(133 : \{1, 2\}) : 1572864$ is to be replaced by $Z_1(133 : \{1, 2\}) : 1573677$.

In Table 6.4($n = 16$), the entry $Z_1(133 : \{1, 2\}) : 31333540$ is to be replaced by $Z_1(133 : \{1, 2\}) : 31332727$.

There is a second error; an entry in Table 6.3 needs to be moved to Table 6.1.

In Table 6.3($n = 10$), the entry $D_{10}(15 : 2) : 1$ is to be removed.

In Table 6.1($n = 10$), the entry $D_{10}(15 : 1) : 1$ is to be added.

**Typographic Errors**

The number in Table 3.2($n = 12$) is 15291647, not 15291641.

In Table 6.1($n = 8$), the entry $Z_2 \times Z_2(43 : 2) : 1^c$ is to be replaced by $Z_2 \times Z_2(43 : 2) : 2 - 1^c$

**Note**

These errors occurred in the manual process of translating the output of the algorithm described in Chapter 3 and not as a result of an error in the algorithm. They do not effect the results obtained by the algorithm described in Chapter 4.