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ON SEMIPROPORTIONAL COLUMNS IN THE CHARACTER TABLES OF THE GROUPS $\mathrm{Sp}_4(q)$ AND $\mathrm{Sp}_4(q)$ FOR ODD q

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Previously the author stated the following conjecture: if two columns of the character table of a finite group corresponding to two of its classes of conjugate elements are semiproportional, then the cardinality of one of these classes divides the cardinality of the other. We obtain a new confirmation of this conjecture. Namely, the conjecture is verified for the symplectic groups $\mathrm{Sp}_4(q)$ and $\mathrm{PSp}_4(q)$ for odd q. For even q the conjecture was proved by the author earlier.

Keywords: finite symplectic groups, character table, semiproportional functions.

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