عنوان مقاله:
(On a group of the form ۳^{۷}{:}Sp(۶,۲)

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خلاصه مقاله:
The purpose of this paper is the determination of the inertia factors, the computations of the Fischer matrices and the ordinary character table of the split extension \overline{G}= ۳^{۷}{:}Sp(۶,۲) by means of Clifford-Fischer Theory. We firstly determine the conjugacy classes of \overline{G} using the coset analysis method. The determination of the inertia factor groups of this extension involved looking at some maximal subgroups of the maximal subgroups of Sp(۶,۲). The Fischer matrices of \overline{G} are all listed in this paper and their sizes range between ۲ and ۱۰. The character table of \overline{G}, which is a ۱۱۸\times ۱۱۸\ \mathbb{C}-valued matrix, is available in the PhD thesis of the first author, which could be accessed online.

کلمات کلیدی:
Group extensions, symplectic group, character table, inertia groups, Fischer matrices