ON CHIEF FACTORS OF PARABOLIC MAXIMAL SUBGROUPS OF THE GROUP $^3D_4(q^3)$

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For a finite simple group of twisted Lie type $^3D_4$, the description of chief factors of a parabolic maximal subgroup that lie in its unipotent radical is refined. We prove a theorem, in which, for every parabolic maximal subgroup of the group $^3D_4(q^3)$, fragments of chief series that lie in the unipotent radical of this parabolic subgroup are given. Generating elements and orders of the corresponding chief factors are presented in a table.

Keywords: finite group of Lie type, parabolic subgroup, chief factor, unipotent subgroup.

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