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A note on decomposition numbers of $G_2(2^n)$. (English) Zbl 1057.20009
J. Algebra 274, No. 2, 602-606 (2004).

Summary: The decomposition numbers of the finite Chevalley group $G_2(p^n)$ of type (G_2) defined over a finite field of characteristic r which divides $p^n + 1$ were almost determined by *G. Hiss* [J. Algebra 120, No. 2, 339-360 (1989; [Zbl 0667.20009](#))]. The author proves that the decomposition numbers are bounded independently of p^n by using the same argument as *T. Okuyama* and *K. Waki* [J. Algebra 199, No. 2, 544-555 (1998; [Zbl 0891.20009](#))] in the case of $p = 2$.

MSC:

20C33 Representations of finite groups of Lie type
20G05 Representation theory for linear algebraic groups
20G40 Linear algebraic groups over finite fields

Cited in **8** Documents

Keywords:

decomposition numbers; finite Chevalley groups

Full Text: [DOI](#)

References:

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- [3] Hiss, G., On the decomposition numbers of $\text{G}_2(q)$, J. algebra, 120, 339-360, (1989) · [Zbl 0667.20009](#)
- [4] Okuyama, T.; Waki, K., Decomposition numbers of $\text{sp}(4,q)$, J. algebra, 199, 544-555, (1998) · [Zbl 0891.20009](#)

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