

Character Tables of Multiplicity-Free Endomorphism Rings

$G = M$ (no. 1)

$H = 2.B$

rank: 9

degree: 97239461142009186000

	O_1	O_2	O_3
$1a$	1	27143910000	11707448673375
$196883a$	1	2887650000	-249094652625
$842609326a$	1	468855000	43747806375
$18538750076a$	1	236547000	-7678186425
$36173193327999a$	1	41967000	-749446425
$1109944460516150a$	1	13224600	618611175
$251098487132187500a$	1	2693304	-33756345
$47377503606648784400a$	1	70200	2168775
$49609712911192813665a$	1	-81000	-1913625

	O_4	O_5
$1a$	2031941058560000	91569524834304000
$196883a$	62147133440000	-487071940608000
$842609326a$	3348961280000	-19026247680000
$18538750076a$	1090251008000	12019625164800
$36173193327999a$	55559168000	-273228595200
$1109944460516150a$	5297868800	38198476800
$251098487132187500a$	-91334656	973209600
$47377503606648784400a$	-14694400	-121651200
$49609712911192813665a$	14336000	110592000

	O_6	O_7
$1a$	1102935324621312000	1254793905192960000
$196883a$	11733354517248000	-6674435665920000
$842609326a$	202389851664000	283334578560000
$18538750076a$	37209562790400	-33800576832000
$36173193327999a$	-288778089600	-419582592000
$1109944460516150a$	-92343888000	76571827200
$251098487132187500a$	-457228800	2516811264
$47377503606648784400a$	261273600	-307929600
$49609712911192813665a$	-244944000	279936000

	O_8	O_9
$1a$	30434513446055706624	64353605265653760000
$196883a$	80942854909722624	-85576602746880000
$842609326a$	-369446834405376	-100644526080000
$18538750076a$	-142176425803776	125665005312000
$36173193327999a$	-275830603776	1202568192000
$1109944460516150a$	352155009024	-380511129600
$251098487132187500a$	5350883328	-8261277696
$47377503606648784400a$	-1086898176	1267660800
$49609712911192813665a$	1003290624	-1161216000

References

- [Nor85] S. P. Norton. The uniqueness of the Fischer-Griess Monster. In *Finite groups—coming of age (Montreal, Que., 1982)*, volume 45 of *Contemp. Math.*, page 271–285. Amer. Math. Soc., Providence, RI, 1985.