

Character Tables of Multiplicity-Free Endomorphism Rings

$G = B$ (no. 3)

$H = 2^{1+22}.Co_2$

rank: 10

degree: 11707448673375

	O_1	O_2	O_3	O_4	O_5	O_6
$1a$	1	93150	7286400	262310400	4196966400	9646899200
$96255a$	1	-2025	772200	-5702400	42768000	290816000
$9458750a$	1	10287	215424	3777840	25974432	35514368
$347643114a$	1	-2025	99000	356400	-5702400	8806400
$4275362520a$	1	495	48960	-334800	1631520	2769920
$9287037474a$	1	3375	28800	356400	1015200	-870400
$536105794455a$	1	1095	1560	7200	-113280	81920
$635966233056a$	1	-425	9400	-3600	-57600	-115200
$4375623425250a$	1	135	-360	-12960	17280	-40960
$6145833622500a$	1	-153	-936	8640	1152	32768

	O_7	O_8	O_9
$1a$	470060236800	537211699200	4000762036224
$96255a$	-2714342400	5474304000	8833204224
$9458750a$	607533696	100362240	-42467328
$347643114a$	0	45619200	-191102976
$4275362520a$	-9636480	-12441600	-2359296
$9287037474a$	-6652800	4147200	-14155776
$536105794455a$	107520	-921600	2555904
$635966233056a$	358400	-76800	1409024
$4375623425250a$	138240	414720	-884736
$6145833622500a$	-129024	-207360	294912

	O_{10}
$1a$	6685301145600
$96255a$	-11921817600
$9458750a$	-730920960
$347643114a$	141926400
$4275362520a$	20321280
$9287037474a$	16128000
$536105794455a$	-1720320
$635966233056a$	-1523200
$4375623425250a$	368640
$6145833622500a$	0

References

- [Mül08] J. Müller. On the action of the sporadic simple Baby Monster group on its conjugacy class 2B. *LMS J. Comput. Math.*, 11:15–27, 2008.
- [RW04a] P. Rowley and L. Walker. A 11,707,448,673,375 vertex graph related to the baby monster. I. *J. Combin. Theory Ser. A*, 107(2):181–213, 2004.
- [RW04b] P. Rowley and L. Walker. A 11,707,448,673,375 vertex graph related to the baby monster. II. *J. Combin. Theory Ser. A*, 107(2):215–261, 2004.