

Character Tables of Multiplicity-Free Endomorphism Rings

$G = 3.ON$ (no. 1)

$H = L_3(7) : 2 \rightarrow (ON, 1)$

rank: 11

degree: 368280

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8
$1a$	1	1	1	5586	5586	5586	19152	58653
$10944a$	1	1	1	196	196	196	-318	-252
$26752a$	1	1	1	-21	-21	-21	333	-252
$32395a$	1	1	1	42	42	42	144	189
$52668a$	1	1	1	-56	-56	-56	-192	63
$495c$	1	$z3$	$z3^{**}$	798	$798z3$	$798z3^{**}$	0	2793
$495d$	1	$z3^{**}$	$z3$	798	$798z3^{**}$	$798z3$	0	2793
$58653b$	1	$z3$	$z3^{**}$	54	$54z3$	$54z3^{**}$	0	-183
$58653c$	1	$z3^{**}$	$z3$	54	$54z3^{**}$	$54z3$	0	-183
$63612a$	1	$z3$	$z3^{**}$	-56	$-56z3$	$-56z3^{**}$	0	147
$63612b$	1	$z3^{**}$	$z3$	-56	$-56z3^{**}$	$-56z3$	0	147

	O_9	O_{10}	O_{11}
$1a$	58653	58653	156408
$10944a$	-252	-252	483
$26752a$	-252	-252	483
$32395a$	189	189	-840
$52668a$	63	63	168
$495c$	$2793z3$	$2793z3^{**}$	0
$495d$	$2793z3^{**}$	$2793z3$	0
$58653b$	$-183z3$	$-183z3^{**}$	0
$58653c$	$-183z3^{**}$	$-183z3$	0
$63612a$	$147z3$	$147z3^{**}$	0
$63612b$	$147z3^{**}$	$147z3$	0

$z3 = (-1 + \sqrt{-3})/2$

$z3^{**} = (-1 - \sqrt{-3})/2$

References

[Lin] S. A. Linton. private communication.