

Character Tables of Multiplicity-Free Endomorphism Rings

$G = Co_1$ (no. 6)

$H = 2_+^{1+8}.O_8^+(2)$

rank: 11

degree: 46621575

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8
$1a$	1	270	12600	34560	60480	491520	573440	2419200
$299a$	1	-135	3150	8640	-7560	-61440	89600	-302400
$17250a$	1	75	1680	240	4788	-7680	14336	38640
$27300a$	1	63	180	3096	-1620	14592	10400	26280
$80730a$	1	-45	840	-720	-1260	7680	8960	-15120
$313950a$	1	-27	-270	1296	1080	-2688	3200	-4320
$644644a$	1	45	450	360	1080	1920	-2560	-3600
$2816856a$	1	-35	250	240	-360	-640	-800	800
$5494125a$	1	21	114	-192	-72	-768	512	192
$12432420a$	1	15	-60	120	-180	0	-160	-120
$24794000a$	1	-9	-36	-72	108	192	32	72

	O_9	O_{10}	O_{11}
$1a$	4838400	12386304	25804800
$299a$	302400	774144	-806400
$17250a$	55440	-53760	-53760
$27300a$	-30240	39168	-61920
$80730a$	5040	-32256	26880
$313950a$	-8640	-6912	17280
$644644a$	0	2304	0
$2816856a$	0	-256	800
$5494125a$	-2880	1536	1536
$12432420a$	1440	-1536	480
$24794000a$	0	576	-864

References

- [ILL⁺95] A. A. Ivanov, S. A. Linton, K. Lux, J. Saxl, and L. H. Soicher. Distance-transitive representations of the sporadic groups. *Comm. Algebra*, 23(9):3379–3427, 1995.