

# Sporadic Complex Reflection Groups

#	Dim.	Name	$ W $	$ Z(W) $	$ r $
4	<b>2</b>		$2^3 * 3$	2	[ 3 ]
5			$2^3 * 3^2$	6	[ 3 ]
6			$2^4 * 3$	4	[ 2, 3 ]
7			$2^4 * 3^2$	12	[ 2, 3 ]
8			$2^5 * 3$	4	[ 4 ]
9			$2^6 * 3$	8	[ 2, 4 ]
10			$2^5 * 3^2$	12	[ 3, 4 ]
11			$2^6 * 3^2$	24	[ 2, 3, 4 ]
<b>12</b>			<b><math>2^4 * 3</math></b>	<b>2</b>	<b>[ 2 ]</b>
13			$2^5 * 3$	4	[ 2 ]
14			$2^4 * 3^2$	6	[ 2, 3 ]
15			$2^5 * 3^2$	12	[ 2, 3 ]
16			$2^3 * 3 * 5^2$	10	[ 5 ]
17			$2^4 * 3 * 5^2$	20	[ 2, 5 ]
18			$2^3 * 3^2 * 5^2$	30	[ 3, 5 ]
19			$2^4 * 3^2 * 5^2$	60	[ 2, 3, 5 ]
20			$2^3 * 3^2 * 5$	6	[ 3 ]
21			$2^4 * 3^2 * 5$	12	[ 2, 3 ]
22			$2^4 * 3 * 5$	4	[ 2 ]
23	<b>3</b>	$H_3$	$2^3 * 3 * 5$	2	[ 2 ]
24			$2^4 * 3 * 7$	2	[ 2 ]
25			$2^3 * 3^4$	3	[ 3 ]
26			$2^4 * 3^4$	6	[ 2, 3 ]
27			$2^4 * 3^3 * 5$	6	[ 2 ]
28	<b>4</b>	$F_4$	$2^7 * 3^2$	2	[ 2 ]
29			$2^9 * 3 * 5$	4	[ 2 ]
30		$H_4$	$2^6 * 3^2 * 5^2$	2	[ 2 ]
31			$2^{10} * 3^2 * 5$	4	[ 2 ]
32			$2^7 * 3^5 * 5$	6	[ 3 ]
33	<b>5</b>		$2^7 * 3^4 * 5$	2	[ 2 ]
34	<b>6</b>		$2^9 * 3^7 * 5 * 7$	6	[ 2 ]
35		$E_6$	$2^7 * 3^4 * 5$	1	[ 2 ]
36	<b>7</b>	$E_7$	$2^{10} * 3^4 * 5 * 7$	2	[ 2 ]
37	<b>8</b>	$E_8$	$2^{14} * 3^5 * 5^2 * 7$	2	[ 2 ]