

PREHOMOGENEOUS SPACES ASSOCIATED WITH NILPOTENT ORBITS IN TYPE G

STEVEN GLENN JACKSON AND ALFRED G. NOËL

Nilpotent orbits in type G					
Orbit	K_c Diagram	i	$\dim \mathfrak{g}_c^i \cap \mathfrak{k}_c$	Highest weights of $\mathfrak{g}_c^i \cap \mathfrak{k}_c$	
1	$\begin{array}{cc} \circ & \circ \\ 1 & 1 \end{array}$	1	2	$(2, 0)$ $(0, 2)$	
2	$\begin{array}{cc} \circ & \circ \\ 1 & 3 \end{array}$	1	1	$(2, 0)$	
		3	1	$(0, 2)$	
3	$\begin{array}{cc} \circ & \circ \\ 2 & 2 \end{array}$	2	2	$(2, 0)$ $(0, 2)$	
4	$\begin{array}{cc} \circ & \circ \\ 0 & 4 \end{array}$	4	1	$(0, 2)$	
5	$\begin{array}{cc} \circ & \circ \\ 4 & 8 \end{array}$	4	1	$(2, 0)$	
		8	1	$(0, 2)$	

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF MASSACHUSETTS, 100 MORRISSEY BOULEVARD,
BOSTON, MA 02125-3393

E-mail address: jackson@math.umb.edu

E-mail address: anoel@math.umb.edu

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