

PREHOMOGENEOUS SPACES ASSOCIATED WITH NILPOTENT ORBITS IN TYPE EIV

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Nilpotent orbits in type EIV					
Orbit	$K_{\mathbb{C}}$ diagram	i	$\dim \mathfrak{g}_{\mathbb{C}}^i \cap \mathfrak{p}_{\mathbb{C}}$	Highest weights of $\mathfrak{g}_{\mathbb{C}}^i \cap \mathfrak{p}_{\mathbb{C}}$	Prehomogeneous space
1.		1	8	$(0, 0, 1, -1)$	Spin_7
		2	1	$(0, 0, 0, 1)$	$\mathbb{C}$
2.		2	8	$(0, 0, 1, -1)$	Spin_7
		4	1	$(0, 0, 0, 1)$	$\mathbb{C}$

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