cases	doc_1		doc_2		decision	id
	authors	• Atsuhira Nagano	**authors**	• Atsuhira Nagano	NOT DUPLICATES	499
	title	Period differential equations for families of $K3$ surfaces derived from 3 dimensional reflexive polytopes with 5 vertices	**title**	Period differential equations for families of K3 surfaces derived from some 3 dimensional reflexive polytopes		
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	id	id1782625421125654413	**id**	id4287314886876455982		
	abstract	In this article we study the families of $K3$ surfaces derived from 3 dimensional 5 verticed reflexive polytopes with at most terminal singularity. We determine the lattice structures, the period differential equations and the projective monodromy groups for these families.	**abstract**	We study period maps for families of $K3$ surfaces those are given by anti canonical divisors of toric varieties coming from reflexive polytopes P_2, P_4, P_5 and P_r. We obtain systems of period differential equations for these families. Moreover, in the case P_4, we determine the projective monodromy group of the period map. This group is explicitly related with the Hilbert modular group for $\mathbb{Q}(\sqrt{5})$.		
	versions		**versions**			