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CORRECTION, VOLUME 82

Oswald Riemenschneider, *Dihedral singularities: Invariants, equations and infinitesimal deformations,* pp. 745–747.

The statement of Theorem 3 in this note is incorrect. It should be replaced by the formula

$$\dim T^1 = \sum_{\epsilon=2}^{e-1} a_\epsilon + c,$$

$c = 1$ if $e = 3$, $c = 0$ if $e \geqslant 4$. In case $e \geqslant 4$ this means

$$(*) \qquad \dim T^1 = \dim \widetilde{T}^1 + (e - 4),$$

where $\widetilde{T}^1 = H^1(\widetilde{X}, \Theta)$ is the vector space of infinitesimal deformations of the minimal resolution $\widetilde{X}$ of the dihedral singularity $X = \mathbf{C}^2/G_{n,q}$. In another forthcoming manuscript we will show that

(**) the Artin component of deformations of X that can be resolved simultaneously is smooth (and hence of dimension equal to $\dim \widetilde{T}^1$). In fact Artin component $= \widetilde{T}^1/W$ where W is the product of Weyl groups corresponding to the connected components of -2 configurations in the dual graph for the resolution $\widetilde{X}$.

(***) was conjectured for an arbitrary rational singularity by Burns, Rapoport, Wahl and others. I believe that (*) also holds in the general case.

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