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**Smoothing of quiver varieties. (English summary)**

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It is proved that Gorenstein singularities  $X$  arising as cones over singular Fano varieties  $\mathbb{P}_{\nabla(Q)}$  provided by so-called flag quivers  $Q$  are smoothable in codimension three. The infinitesimal deformation spaces  $T_X^k$ ,  $k = 1, 2$ , are computed. It turns out that all deformations are unobstructed. There are enough of them to provide a smoothing in codimension three. The embedded infinitesimal deformations of the Fano varieties are determined. A characterization of those flag quivers is given leading to  $\mathbb{P}_{\nabla(Q)}$  which are smoothable in codimension three.

Reviewed by *Gerhard Pfister*

## References

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