

The critical curvature degree of an algebraic variety

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This topic is about the complexity involved in the computation of the reach in arbitrary dimensions and in particular the computation of the critical spherical curvature points of an arbitrary algebraic variety in arbitrary dimension. We present properties of the critical spherical curvature points as well as an algorithm for computing them.

More information can be found in [1]

References

- [1] E. Horobet, *The critical curvature degree of an algebraic variety*, arXiv preprint arXiv:2104.01124 (2021).