

Specialization results with applications

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This is joint work with Y. Cid-Ruiz. I will review the classical idea of specialization and bring in some further developments, including the idea of specializing modules and their powers (symmetric ones or in the sense of Rees). Some of it is inspired from previous results by Eisenbud–Huneke and Kennedy–Simis–Ulrich. Applications are given to the generic stability of the degree of a rational map and of a projectively embedded variety.

References

- [1] Y. CID-RUIZ AND A. SIMIS, *Degree of rational maps via specialization*, arXiv:1901.06599v2 [math.AG] 4 Feb 2019