

Bernstein-Sato polynomial and Yano's conjecture

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SUMMARY

In 1982, Yano proposed a conjecture predicting the b -exponents of an irreducible plane curve singularity which is generic in its equisingularity class. The one Puiseux-pair case was independently proved by P. Cassou-Nogus and M. Saito in the eighties. We treat in this communication the two-Puiseux-pair case with a strategy that can be generalized. The conjecture is proved for germs whose monodromy has distinct eigenvalues by computing the Bernstein polynomial.

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