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Bounding from below the degree of an algebraic one-dimensional foliation having a prescribed algebraic solution. (English) [Zbl 1125.32302](#)

Brasselet, Jean-Paul (ed.) et al., Real and complex singularities, São Carlos workshop 2004. Papers of the 8th workshop, Marseille, France, July 19–23, 2004. Basel: Birkhäuser (ISBN 3-7643-7775-5/hbk). Trends in Mathematics, 47-51 (2007).

Summary: We summarize the authors' paper [Compos. Math. 142, No. 2, 529–540 (2000; [Zbl 1097.32010](#))] without proof.

For the entire collection see [[Zbl 1108.14001](#)].

MSC:

[32S65](#) Singularities of holomorphic vector fields and foliations

[14M10](#) Complete intersections

Keywords:

degree of an algebraic foliation; Poincaré inequality; genus formula; GSV-index