

**Wang, Jun; Yi, Hong-Xun**

**Fixed points and hyper-order of differential polynomials generated by solutions of differential equation.** (English) [Zbl 1071.30029](#)

[Complex Variables, Theory Appl.](#) 48, No. 1, 83-94 (2003).

Authors' abstract: This article studies the problem on the fixed points and hyper-order of differential polynomials generated by solutions of two types of second-order differential equations. Because of the control of differential equation, we can obtain some precise estimates of their hyper-order and fixed points.

Reviewer's remark: On oscillatory solutions of more general type of differential polynomials (with small functions as the coefficients) was obtained in a paper by *Y. T. Wang* entitled "Oscillatory solutions of nonhomogeneous linear differential equations" [*Arch. Math.* 68, No. 4, 300–310 (1997; [Zbl 0870.34003](#))].

Reviewer: [Chung-Chun Yang \(Kowloon\)](#)

**MSC:**

[30D35](#) Value distribution of meromorphic functions of one complex variable, Nevanlinna theory

Cited in **2** Reviews  
Cited in **14** Documents

**Keywords:**

[second-order differential equation](#); [fixed point](#); [hyper-order](#); [differential polynomial](#)

**Full Text:** [DOI](#)