

Year: 2019

Vol.: 95

Fasc.: 3-4

Title: On Poincaré compactification and the projectivization of polynomial vector fields

Author(s): Fengbai Li

The main purpose of this note is to clarify two commonly used notions, the Poincaré compactification and the projectivization, in the study of polynomial vector fields in $\mathbf{C}^n$. We show that these two notions are indeed equivalent.

Address:

Fengbai Li
Department of Applied Mathematics
School of Mathematics
Shanghai University of
Finance and Economics
777 Guo Ding Road
Shanghai, 200433
P. R. China