

**Название публикации:**

On Asymptotic Behavior of Blow-Up Solutions to Higher-Order Differential Equations with General Nonlinearity

**Авторы:**

Astashova, IV [ 1,2 ]

[ 1 ] Lomonosov Moscow State Univ, GSP 1, Moscow 119991, Russia

[ 2 ] Plekhanov Russian Univ Econ, Stremyanny Lane 36, Moscow 117997, Russia

**Наименование журнала:**

DIFFERENTIAL AND DIFFERENCE EQUATIONS WITH APPLICATIONS

Серия книг: Springer Proceedings in Mathematics & Statistics Том: 230 Стр.: 1-12 Опубликовано: 2018

**Аннотация:**

New results are proved on the asymptotic behavior of blow-up solutions to a higher-order equation with general potential are proved. Several author's results are presented concerning both positive and oscillatory solutions to equations with regular and singular nonlinearities. Some applications of the results obtained are proposed.

**Ключевые слова:**

Nonlinear equations; Blow-up; Asymptotic behavior; Oscillatory solutions