Exact Solutions > Ordinary Differential Equations > Higher-Order Nonlinear Ordinary Differential Equations > Emden–Fowler Equation of the Third-Order

1. $y'''_{xxx} = Ax^{\alpha}y^{\beta}.$

Emden–Fowler equation of the third-order.

Reference

Polyanin, A. D. and Zaitsev, V. F., *Handbook of Exact Solutions for Ordinary Differential Equations, 2nd Edition* , Chapman & Hall/CRC, Boca Raton, 2003.

Emden–Fowler Equation of the Third-Order