



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

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<http://eqworld.ipmnet.ru/en/solutions/ode/ode0501.pdf>