46. $y''_{xx} = x f(y)(y'_x)^3.$

Taking y to be the independent variable, we obtain a linear equation with respect to $x = x(y)$:
$x''_{yy} = -f(y)x.$

Reference

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