

$$\mathbf{8.} \quad \frac{\partial w}{\partial t} = a \frac{\partial}{\partial x} \left( e^{\lambda w} \frac{\partial w}{\partial x} \right) + b + c_1 e^{\beta w} + c_2 e^{\gamma w}.$$

## Reference

Polyanin, A. D. and Zaitsev, V. F., Handbook of Nonlinear Partial Differential Equations (Section 1.2.2), Chapman & Hall/CRC, Boca Raton, 2004.

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http://eqworld.ipmnet.ru/en/solutions/npde/npde1208.pdf