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阶线性非齐次常微分方程积分因子法及其应用

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Integratal Method Factor for Solving First Order Linear Non-Homogeneous Ordinary Differential Equations and Its Application

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- 摘要
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摘要 为能更简洁地求解1阶线性非齐次常微分方程，对1阶线性非齐次常微分方程的积分因子法进行了探讨，并结合实例给出了该方法的具体求解过程，该过程较常数变易法来得简单且应用广泛.

关键词: 线性非齐次常微分方程 积分因子 求解方法

Abstract: In order to solve the first order linear non-homogeneous ordinary differential equations easily,the integratal factor method is investigated.The concrete procedures of some practical examples using the integratal method factor are given,which are simpler than that of constants variation and can be widely used.

Key words: linear non-homogeneous ordinary differential equation integratal factor solving method

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