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2 Order Linear Ordinary Differential Equations

4 Constant Coefficient Ordinary Differential Equations $A \frac{dy}{dx} + B y = C x^2 + D$ Where A, B And C Are Constants The Form Of The Differential Equation Suggests Solutions Of $y = e^{rx}$. (At This Point This Form Is Deduced By Understanding The Properties Of Differentiating e^{rx} .Later, Jan 2th, 2024

Nd Order Linear Ordinary Differential Equations

Variation Of Parameters This Method Can Be Used Anytime You Already Know One Solution, $y_1(x)$, To The Homogeneous Form Of The General Differential Equation Given Below. $y'' + p(x)y' + q(x)y = r(x)$ The Complete Solution Is Found By Substituting $y = v(x)y_1(x)$ Into The Above Differential Jun 2th, 2024

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