

## Differential Equation Solution

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Numerical Solution of Differential Equations

Suppose that  $h$  is a function such that  $h'(x) = x^2 + 2e^x + 3$  and  $h(3) = 0$ .  
What is  $h(1)$ ? Give an expression of the most general function ...

Section 3.6 Antiderivatives and Differential Equations  
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analysis of (ordinary) differential equations, although some solution techniques will be considered as well. Special attention will be paid to ...

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Of the same stripe: Turing patterns link tropical fish and bismuth crystal growth

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Mathematician Xavier Ros Oton, awarded with Gold Medal Guido Stampacchia

An alternative strategy is to derive an approximate solution. In fact, asymptotic and perturbation methods employ the presence of a small parameter in the problem, e.g., a small coefficient in the ...

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## Asymptotic Analysis

His area of research is partial differential equations ...  
doi: 10.1007/s10240-020-00119-9 Cabré X, Figalli A, Ros-Oton X, Serra J. Stable Solutions to Semilinear Elliptic Equations are Smooth up to ...

Using the power of drawing to discern order in nature  
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