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First Order Equations. Its slope is a delta function: zero everywhere except infinite at the jump. That complex solution...

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Differential equations are both challenging objects at a mathematical level and crucial in many ways for engineers. In addition, linear algebra methods are an essential part of the methodology commonly used in order to solve systems of differential equations.

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This course proposes to combine a basic introduction

Differential equations and linear algebra

From the series: Differential Equations and Linear Algebra Gilbert Strang, Massachusetts Institute of Technology (MIT) Linear equations include $dy/dt = y$, $dy/dt = -y$, $dy/dt = 2ty$. The equation $dy/dt = y * y$ is nonlinear.

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