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Ordinary differential equation - Wikipedia

The text for the course is Differential Equations by Blanchard, Devaney, and Hall, 3rd edition, published by Brooks/Cole. The authors are all researchers in the field of dynamical systems and they apply a dynamical systems perspective to their presentation of differential equations.

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Partial differential equation - Scholarpedia

From the instantaneous position **r** = **r**(t), instantaneous meaning at an instant value of time **t**, the instantaneous velocity **v** = **v**(t) and acceleration **a** = **a**(t) have the general, coordinate-independent definitions; =, = = Notice that velocity always points in the direction of motion, in other words for a curved path it is the tangent vector.Loosely speaking, first order derivatives are related to ...

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Simo Särkkä received his Master of Science (Tech.) degree in engineering physics and mathematics, and Doctor of Science (Tech.) degree in electrical and communications engineering from Helsinki University of Technology, Espoo, Finland, in 2000 and 2006, respectively.

Simo Särkkä, Aalto University

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