4 Courses

Calculus through Data & Modelling: Series and Integration

Calculus through Data & Modelling: Techniques of Integration

Calculus through Data & Modelling: Integration Applications

Calculus through Data & Modelling: Vector Calculus

Feb 4, 2024

Sepehr Abbaspour

has successfully completed the online, non-credit Specialization

Integral Calculus through Data and Modeling

This specialization builds on the concepts of differentiable calculus to introduce students to the notions of integral calculus of single and multivariable functions. Starting with the Fundamental Theorem of Calculus and ending with Green's Theorem, the theory and applications in this course are used to model, understand, and interpret the world around us. This is done through both theoretical and numerical techniques, with am emphasis on problem solving, interpretation of solutions, and mathematical communication. This specialization is designed for all learners, not just those interested in further mathematics courses. Those interested in the natural sciences, computer sciences, data science, or similar fields will genuinely benefit from this course.

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Senior Lecturer
Mathematics Department
Johns Hopkins University

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