

# CALCULUS

6th Edition

Single & Multivariable



Hughes-Hallett

Gleason

McCallum

et al.

# Calculus Single And Multivariable

**Deborah Hughes-Hallett**



## **Calculus Single And Multivariable:**

*Calculus* Deborah Hughes-Hallett, Andrew M. Gleason, William G. McCallum, 2020-11-10 The Calculus Consortium's focus on the Rule of Four viewing problems graphically numerically symbolically and verbally has become an integral part of teaching calculus in a way that promotes critical thinking to reveal solutions to mathematical problems Their approach reinforces the conceptual understanding necessary to reduce complicated problems to simple procedures without losing sight of the practical value of mathematics In this edition the authors continue their focus on introducing different perspectives for students with an increased emphasis on active learning in a flipped classroom The 8th edition of *Calculus Single and Multivariable* features a variety of problems with applications from the physical sciences health biology engineering and economics allowing for engagement across multiple majors The Consortium brings *Calculus* to real life with current relevant examples and a focus on active learning

**Calculus** Deborah Hughes-Hallett, Andrew M. Gleason, William G. McCallum, 2021-01-11 *Calculus Single and Multivariable 8th Edition* teaches calculus in a way that promotes critical thinking to reveal solutions to mathematical problems while highlighting the practical value of mathematics From the Calculus Consortium based at Harvard University this leading text reinforces the conceptual understanding students require to reduce complicated problems to simple procedures In this new edition the authors retain their emphasis on the Rule of Four viewing problems graphically numerically symbolically and verbally with a special focus on introducing different perspectives for students with different learning styles The ideal textbook for promoting active learning in a flipped classroom *Calculus* engages students across multiple majors by providing a variety of problems with applications from the physical sciences economics health biology engineering and economics Throughout the text the Consortium brings calculus to life with current and relevant examples and numerous opportunities to master key mathematical concepts and skills The eighth edition includes new graphing questions and visualizations powered by GeoGebra enabling complex multi part questions that reinforce the Rule of Four and strengthen student comprehension

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*Calculus* Deborah Hughes-Hallett, 2009-03-28

**Calculus**, 2013-06-19 *Calculus: Single and Multivariable* Deborah Hughes-Hallett, William G. McCallum, Andrew M. Gleason, Eric Connally, Daniel E. Flath, Selin Kalaycioglu, Brigitte Lahme, Patti Frazer Lock, David O. Lomen, David

Lovelock,Guadalupe I. Lozano,Jerry Morris,David Mumford,Brad G. Osgood,Cody L. Patterson,Douglas Quinney,Karen R. Rhea,Ayse Arzu Sahin,Adam H. Spiegler,Jeff Tecosky-Feldman,Thomas W. Tucker,Aaron D. Wootton,Elliot J. Marks,2018-05-01 Calculus Single and Multivariable 7th Edition continues the effort to promote courses in which understanding and computation reinforce each other The 7th Edition reflects the many voices of users at research universities four year colleges community colleges and secondary schools This new edition has been streamlined to create a flexible approach to both theory and modeling The program includes a variety of problems and examples from the physical health and biological sciences engineering and economics emphasizing the connection between calculus and other fields

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