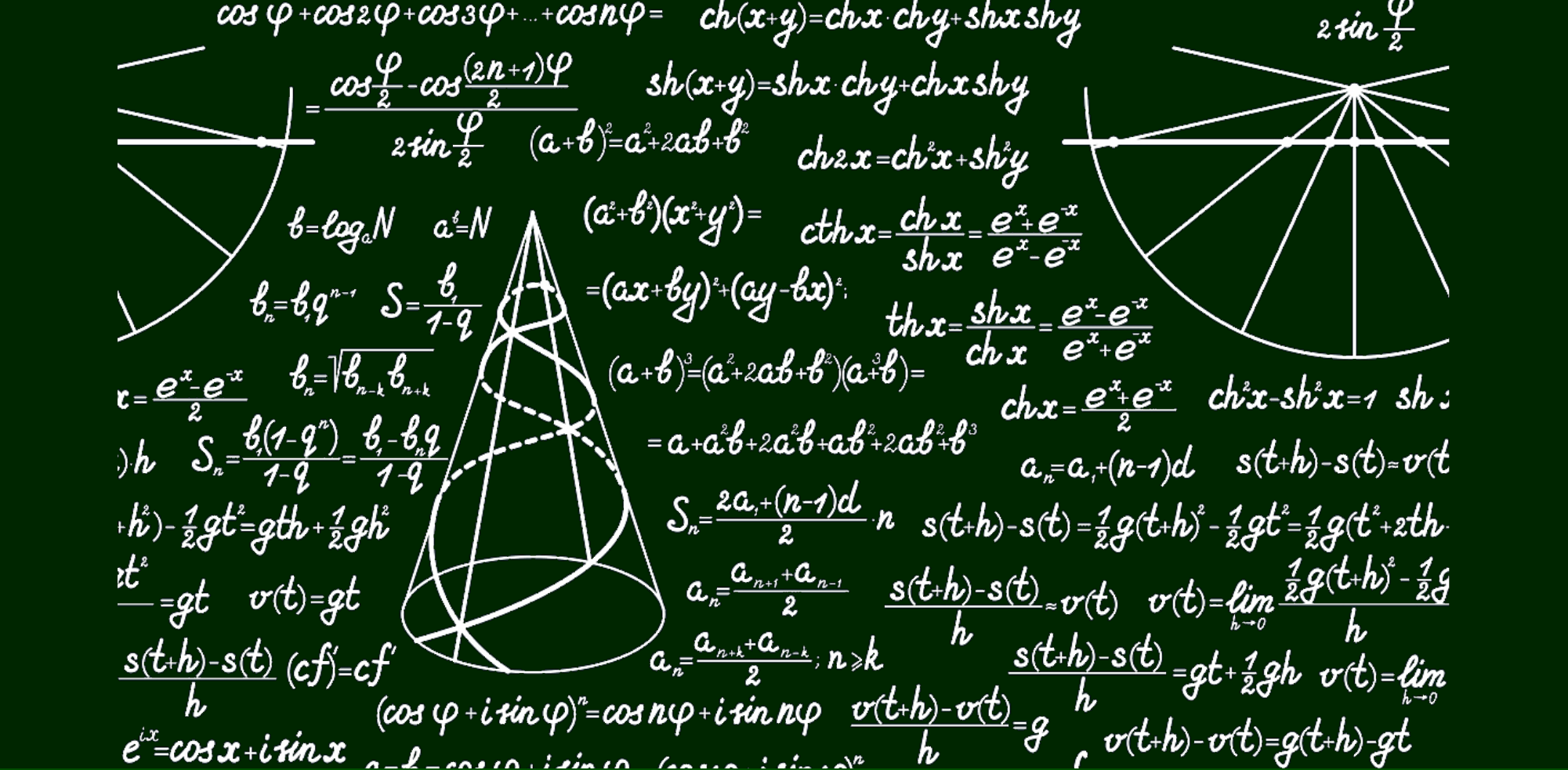


Li Mingrui, Xia Yiwei, Zhang Haoran

Sincerest appreciation dedicated to

2022 VV156 TAs

Yishen Zhou, Junhao Li and Jiahe Huang,
as well as all previous VV156 TAs.

1. About Honors Calculus

Contents

2023FA-VV156

1. Limits
2. Derivatives and Integrals
3. Series
4. Polar Coordinates
5. Basic Differential Equations

2023SU-VV255

1. Simple Linear Algebra
2. Partial Derivatives
3. Multiple Integrals

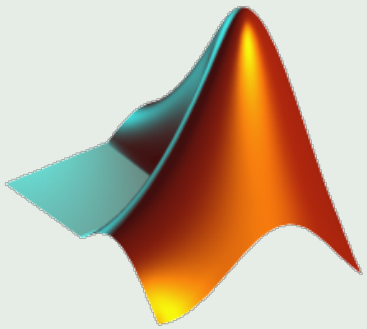
2024FA-VV256

1. Differential Equations
2. Deeper Linear Algebra
3. Fourier Transform and Laplace Transform

Other courses might contribute to Honors Calculus: VV214, VE203, etc.

Useful Software and Websites

MATLAB:



Mathematica:

Integration with Steps:

https://www.integral-calculator.com/

About This Slide

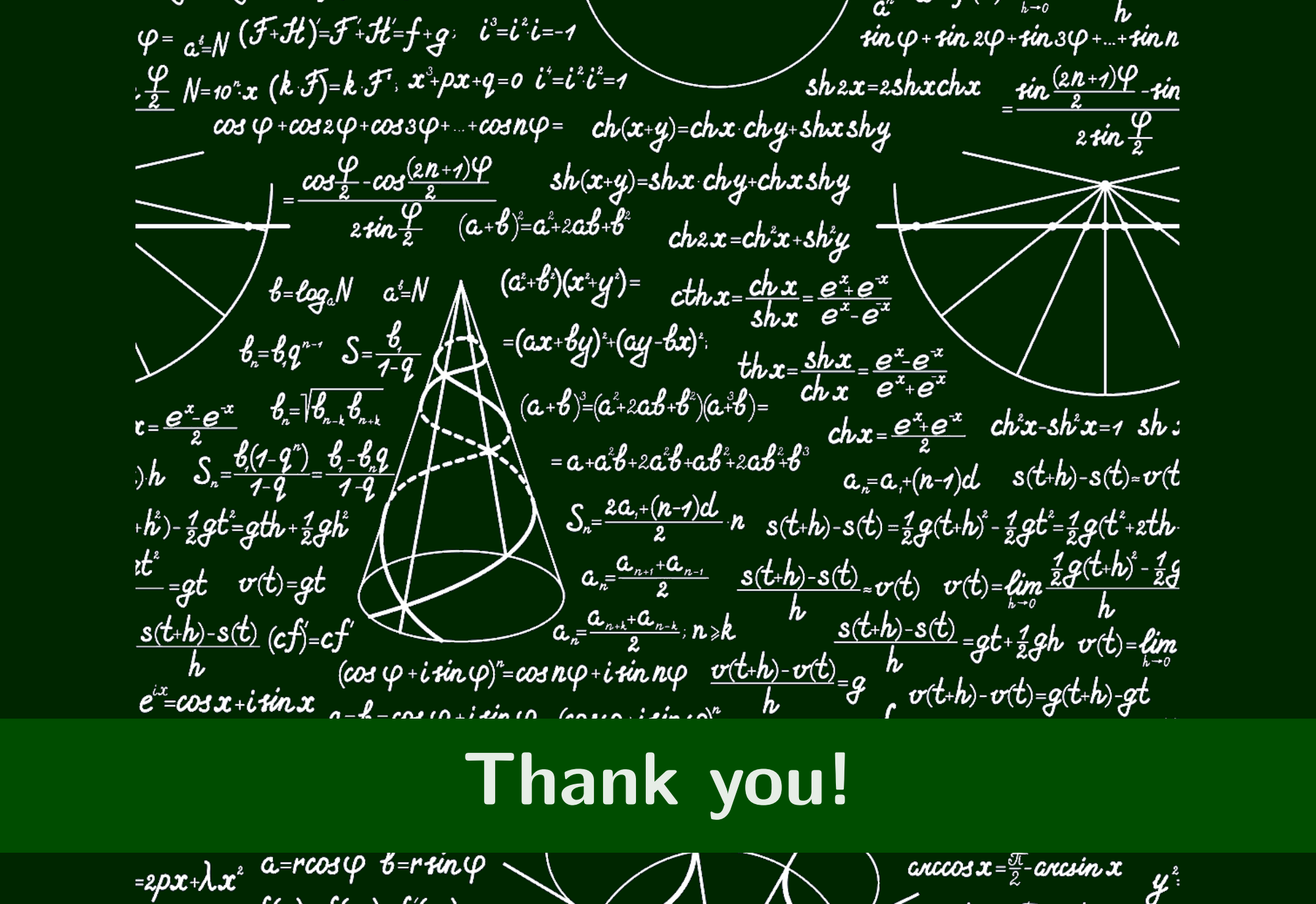
You had better understand the contents on green slides. They are relatively fundamental.

About This Slide

The content shown on blue slides may be relatively hard, but may contribute to getting high marks in the exams more or less. Do not worry when you cannot handle it.

About This Slide

Those on pink slides are just some interesting problems and crazy thoughts. Maybe they are of little application in exams, but they are quite interesting.


Thank you!