



Exploring Applications of the Derivative Using TI Technology, Part I

education.ti.com/tiwebinars

Moderator Bio



Mike Houston

**T³ National Instructor
Riverside High School
Ellwood City, PA**

Mike is in his twelfth year of teaching high school mathematics in Ellwood City, PA. While participating in a TI-Navigator™ Fast-Track in 2007, he learned how technology can effectively cultivate students' wide range of learning styles. During this time, Mike has served as a T³ National Instructor and a contributing author for MathForward™.

Panelists' Bios

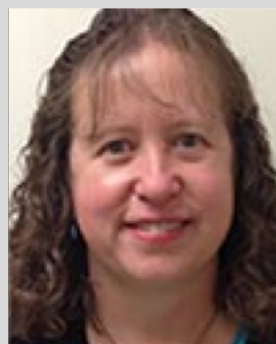


Corey Bobby

T³ National Instructor

Malvern, AR

Corey is in his 20th year in education and currently teaches Algebra 2, Geometry, and AP* Calculus. Since joining the T³ community in 2001, he has worked on curriculum development and workshop instruction, as well as creating online courses and videos for TI-Nspire™ technology.



Tracy Watson

T³ National Instructor

Malvern, AR

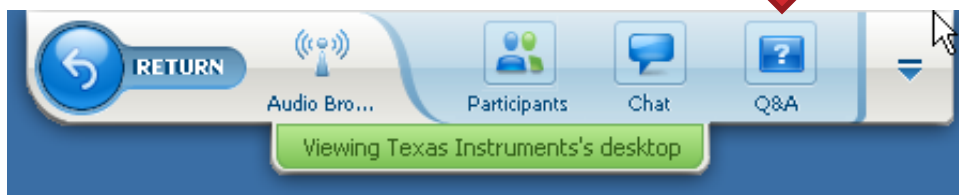
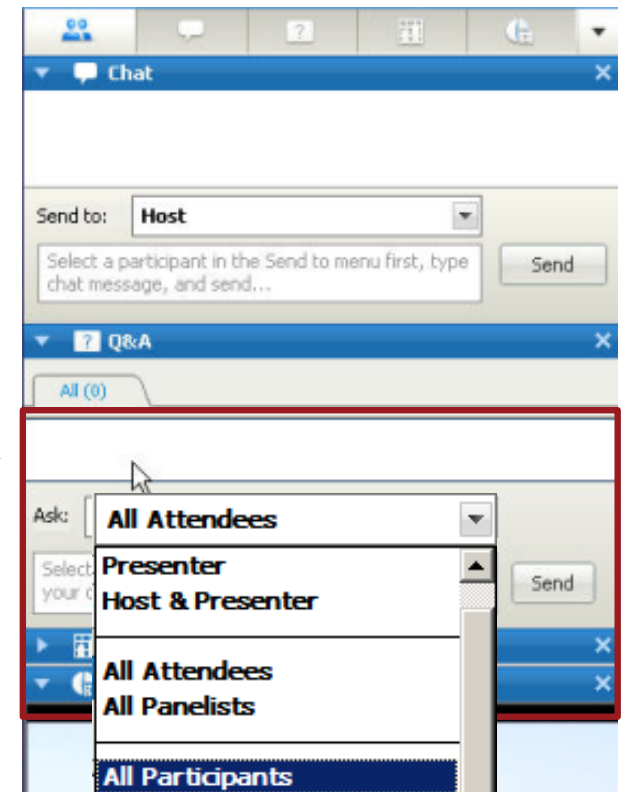
Tracy has been teaching Geometry, AP* Statistics, and AP Calculus at Benton High School in Arkansas for the past 2 years. Previously, she taught college mathematics courses ranging from Basic Algebra through Calculus for over 15 years. She has been an AP Calculus Reader for four years. As a T³ National Instructor, she enjoys sharing with teachers across the country the appropriate use of technology in the classroom.

*AP is a registered trademark of the College Entrance Examination Board, which was not involved in the production of and does not endorse this product. Policies subject to change. Visit www.collegeboard.com.

Chat & Questions?

Please ask questions using the Q&A box:

- When we are not in desktop-sharing mode, the **Q&A** panel is on the right side of your screen.
- When we are presenting in desktop-sharing mode, the **Q&A** panel can be accessed via the “floating toolbar” at the top of the screen.



*Note: Use the **Chat** panel for general communication*

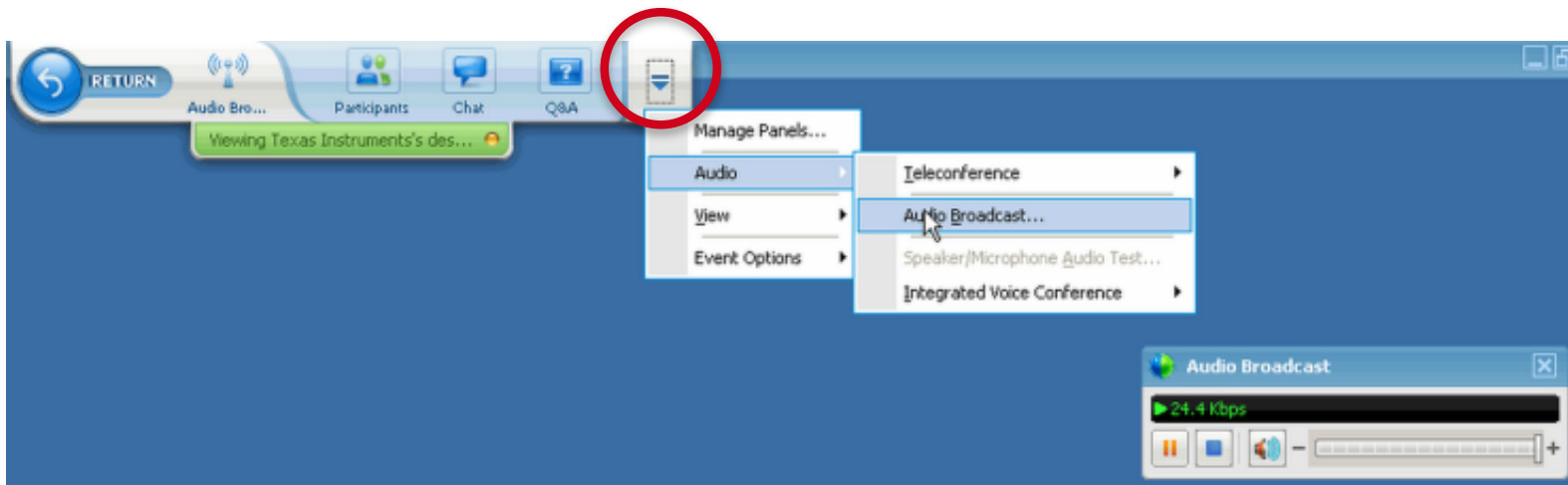
Questions directed to:

- All Attendees** excludes Moderator and Panelists
- All Participants** includes everyone in the meeting

Audio

If your audio becomes disconnected, follow these instructions to reconnect it.

1. Click the “eject” arrow at the far right of the floating toolbar.
Select *Audio > Audio Broadcast...* and click the “Play” icon.



2. If we are not in desktop-sharing mode, go to *Communicate > Audio Broadcast* and click the “Play” icon.

Agenda

- Welcome & introductions
- Applications of the derivative:
 - Graphing functions using the first and second derivatives
 - TI-Nspire™ “Derivative Analysis” from MathNspired
 - TI-84 Derivative Graphing
 - Rolle’s and Mean Value Theorems
 - TI-Nspire™ “MVT for Derivatives” from MathNspired
 - Particle motion problems
 - TI-Nspire™ “Position, Distance, Velocity” from MathNspired
- Online Resources
- *Webinar Giveaway: complimentary registration for the T³ International Conference*

Expected Outcomes:

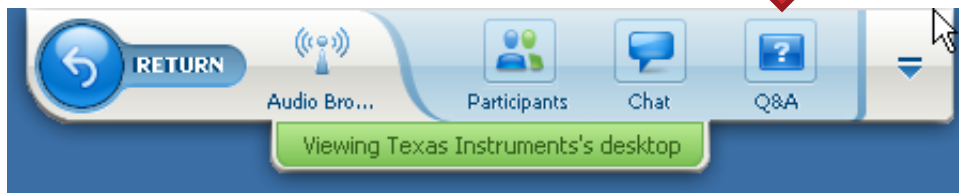
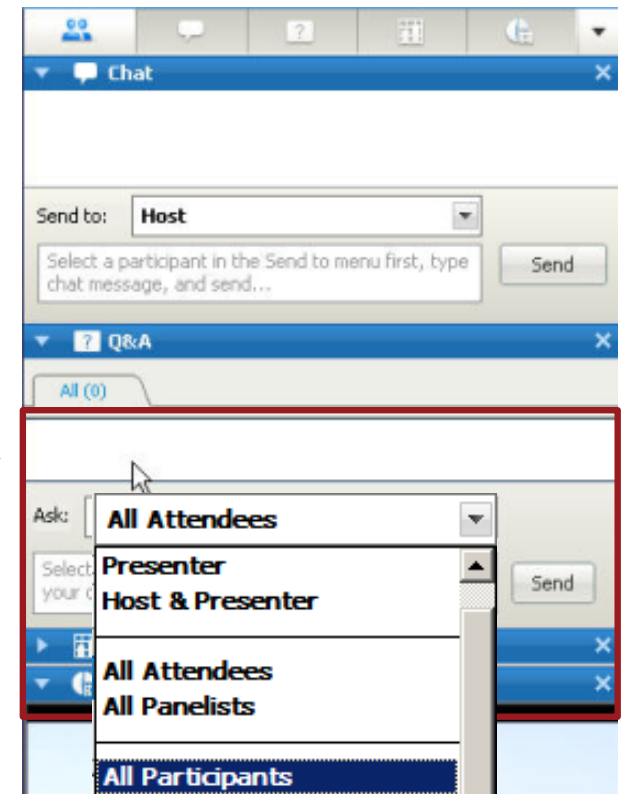
- **Explore** the connection between a function and its first and second derivatives.
- **Investigate** the application of the Mean Value Theorem and Rolles' Theorem
- **Utilize** calculus techniques to solve particle motion problems.

*AP is a registered trademark of the College Entrance Examination Board, which was not involved in the production of and does not endorse this product. Policies subject to change. Visit www.collegeboard.com.

Chat & Questions?

Please ask questions using the Q&A box:

- When we are not in desktop-sharing mode, the **Q&A** panel is on the right side of your screen.
- When we are presenting in desktop-sharing mode, the **Q&A** panel can be accessed via the “floating toolbar” at the top of the screen.

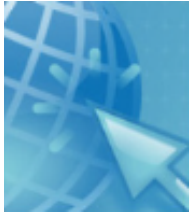


*Note: Use the **Chat** panel for general communication*

Questions directed to:

- All Attendees** excludes Moderator and Panelists
- All Participants** includes everyone in the meeting

Upcoming Webinars & Survey



Register for upcoming webinars:

<http://education.ti.com/tiwebinars>

Survey

After the webinar, a brief survey will automatically appear in your web browser. We greatly appreciate your feedback!

Attend the 2017 T³™ International Conference

March 10 – 12, 2017

Chicago

Education.ti.com/go/T3Chicago

Image courtesy
of iStock.

Join the
conversation at:
#T3IC



Stay Connected with TI



Facebook.com/TICalculators



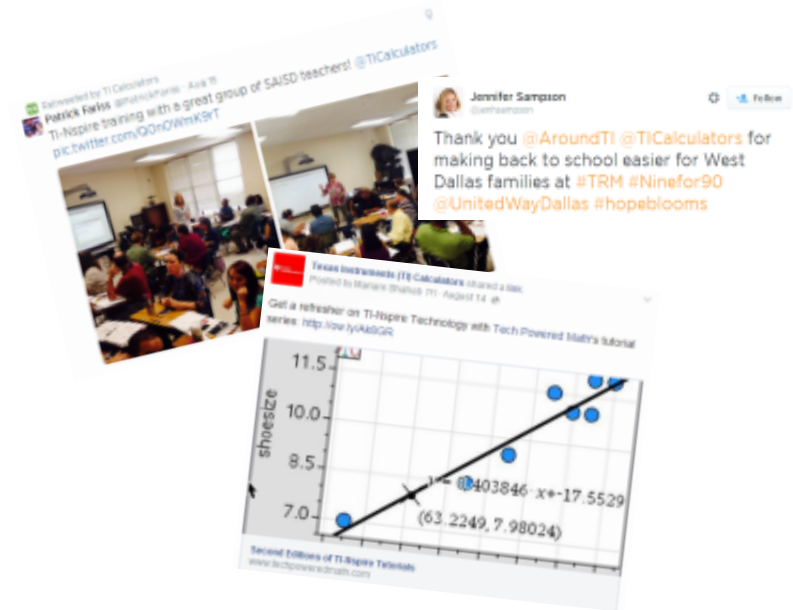
@TICalculators



Instagram.com/TICalculators



TI Calculators



Join the
conversaTION

#ScienceNspired
#MathNspired
#T3Learns

Certificate of Attendance

- » To generate a Certificate of Attendance with your name and information about the webinar, go to <http://bit.ly/2cNAwkb>



The screenshot shows the Texas Instruments Education Technology website. The header includes the Texas Instruments logo and the text 'Your Passion. Our Technology. Student Success.™' and 'Education Technology'. Below the header, there is a red banner with the text 'Generate Your Certificate · 获取证书 · Generar Certificado de Asistencia'. The main content area is divided into two columns. The left column is titled 'What's New and Tried & True with TI-Nspire™ Technology' and contains text about the features of TI-Nspire technology. The right column is titled 'Your Name · 您的姓名 · Su Nombre:' and contains a text input field. Below the input field is a red button with the text 'Go · 获取证书 · Ir'. At the bottom of the right column, there is a paragraph of text in English and Spanish explaining the certificate generation process.



Post-webinar Follow-up

Find useful resources, answers to your questions & access to friendly, knowledgeable customer support and technical reps.

General Questions:

1-800-TI-CARES

Technical Questions:

972-917-8324

ti-cares@ti.com



For a consultation on an upcoming purchase of TI Technology or professional development, please contact us at:

ti-educators@ti.com

Thank you!

education.ti.com

Certificate of Attendance

- » To generate a Certificate of Attendance with your name and information about the webinar, go to <http://bit.ly/2cNAwkb>

The image shows a two-part process for generating a certificate. On the left is a web form titled 'Generate Your Certificate · 获取证书 · Generar Certificado de Asistencia'. The form includes a header for 'TEXAS INSTRUMENTS Education Technology' and a section titled 'What's New and Tried & True with TI-Nspire(tm) Technology'. It provides information about the webinar, presented by Todd Morstein and Tom Reardon, and includes a note that the form takes 90 seconds to generate a PDF certificate. A large red arrow points from the 'Go · 获取证书 · Ir' button on the form to the right, where the resulting 'Certificate of Attendance' is displayed. The certificate is for the 'Math Nspired Resource Center: Calculus' webinar, dated March 8, 2011, and is presented to 'Your Name'. It also shows '1' for the number of hours. The certificate has a red header and footer with the Texas Instruments logo and 'Your Name: Our Technology. Student Success.' slogan.

TEXAS INSTRUMENTS
Your Name: Our Technology. Student Success.™

Education Technology

Generate Your Certificate · 获取证书 · Generar Certificado de Asistencia

What's New and Tried & True with TI-Nspire(tm) Technology

Learn about the newest features of TI-Nspire technology, and continue to explore tried and true features such as dynamic links across multiple representations, dynamic measurement, color and images. Learn how to create interactive, media-rich math and science content with the PublishView(tm) feature of the Teacher and Student software.

Presented by: Todd Morstein and Tom Reardon. See archive at <http://education.ti.com/tiwebinars>

(note: this form takes 90 seconds to generate your PDF certificate)

Your Name · 您的姓名 · Su Nombre:

Go · 获取证书 · Ir

PDF Certificate takes 90 seconds generation and will open in a new window or tab. You will need the free [Adobe Reader](#) to view and print your certificate.

PDF 证书的生成需要大约 90 秒的时间生成。您需要安装免费的 PDF 阅读器 [Adobe Reader](#) 来浏览查看和打印证书。

La generación del archivo PDF, tardará 90 segundos y se abrirá en una nueva ventana o pestaña. Deberá tener la versión gratuita de [Adobe Reader](#) para ver e imprimir su certificado.

Math Nspired Resource Center: Calculus

CERTIFICATE OF ATTENDANCE

presented to

Your Name

1
Number of Hours

March 8, 2011
Date

TEXAS INSTRUMENTS
Your Name: Our Technology. Student Success.™

© Copyright 1995-2010 Texas Instruments Incorporated. All rights reserved. Trademarks | Privacy Policy | Link Policy