

PUBLIC MATHEMATICS LECTURE



SPEAKER

CARLA CEDERBAUM
ASSISTANT RESEARCH PROFESSOR FOR MATHEMATICS
PRIZE WINNING MATH AND SCIENCE AMBASSADOR



TOPIC

FROM NEWTON TO EINSTEIN:
A GUIDED TOUR THROUGH SPACE AND TIME

The cosmos and its laws have fascinated people since the ancient times. Many scientists and philosophers have tried to describe and explain what they saw in the sky. And almost all of them have used mathematics to formulate their ideas and compute predictions for the future. Today, we have made huge progress in understanding and predicting how planets, stars, and galaxies behave. But still, the mysteries of our universe are formulated and resolved in mathematical language and always with new mathematical methods and ideas.

In this lecture, you will hear about two of the most famous physicists of all times, Isaac Newton (1643-1727) and Albert Einstein (1879-1955), and about their theories of the universe. You will learn about common features and central differences in their viewpoints and in the mathematics they used to formulate their theories. In passing, you will also encounter the famous mathematician Carl Friedrich Gauß (1777-1855) and his beautiful ideas about curvature.

DATE AND TIME

When	Friday, April 27, 6:00-7:00pm
Where	Duke West Campus, Physics Building 128

YOU ARE INVITED ...

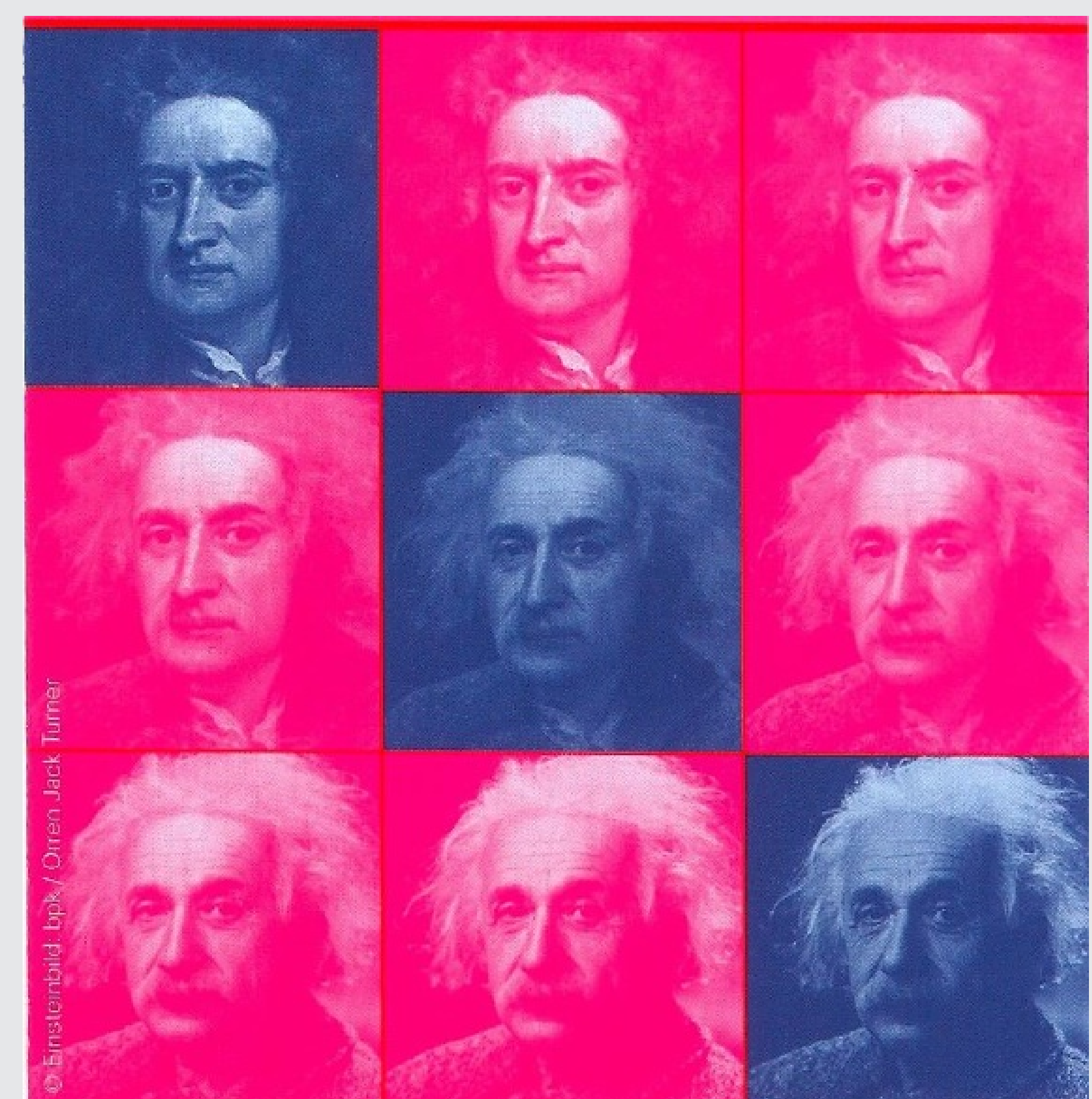
if you are

- a high school student
- a high school teacher
- a parent
- a college student
- a researcher
- or just anyone living in or visiting the Research Triangle Area

This public lecture is part of the GEOMETRY FESTIVAL (April 27-29 2012) hosted by Duke University's Mathematics Department <http://www.math.duke.edu/conferences/geomfest12/>.

It contributes to the MATHEMATICS AWARENESS MONTH 2012 of the American Mathematical Association (AMS).

NEWTON AND EINSTEIN AND ???



Come and find out!