

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, October 19

2:00 – 3:00 PM

Maria Sanford, Room 101

INTRODUCTION TO TI-NSPIRE AND TI-NAVIGATOR

EDWARD DEPEAU

CENTRAL CONNECTICUT STATE UNIVERSITY

Abstract

We will discuss two Texas Instrument classroom tools, which are widely used in secondary mathematics classrooms: the TI-Nspire and the TI-Navigator.

The TI-Nspire replaces the TI-84 graphing calculator with a new “document model” graphing technology. Users can open and create documents that contain calculations, graphs, tables and statistics that are all linked. This allows students to be exposed to mathematical concepts through multiple representations.

The TI-Navigator links each student calculator to the teacher’s computer. This allows the teacher to send documents and collect documents from each student. Teachers can assess student understanding by sending questions to their class and collecting the responses. If desired, teachers are also able to display the results anonymously. The use of this technology promotes classroom discourse and gives both the teacher and student instant feedback on the understanding of mathematical concepts.

This talk will demonstrate how the TI-Npsire and the TI-Navigator can be used in courses such as algebra, precalculus, trigonometry and calculus, which are taught both at the secondary and college level.

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