

1145-VJ-1136      **Tanvir Prince\*** (tprince@hostos.cuny.edu), Associate Professor of Mathematics, Hostos Community College, City University of New York, NY 10451. *Use of "Mathematica" as a classroom demonstration for Calculus and Differential Equation.*

Use of "Mathematica" software in STEM related disciplines is not new. But in this presentation, we showed how we use this software for classroom demonstration, in particular, for Calculus and Differential Equation. We involve students to learn, innovate and apply various knowledge of "Mathematica" from very basic to advance and also teach them how to explore various concepts learn in theory by using this software. Anybody who is interested to bring computer aided tools in teaching (does not matter in which disciplines) will be interested in the paper. This can also be used as a side tool to develop an online course, especially in STEM related subjects. Although the particular method is presented for the college level mathematics class, it can be easily elaborated and presented in a regular, hybrid and/or online classes. As a side note, the "Mathematica" software is free for students of City University of New York. (Received September 19, 2018)