1125-I1-368   **Lina Wu*** (`lwu@bmcc.cuny.edu`), 529 West 42nd Street, Apt. 5K, New York, NY 10036. *Digital Graphic Calculus Art Design in Maple Software.* Preliminary report.

The presenter is interested in sharing her experience on how to make design of digital graphic art possible in Calculus teaching thru the use of Maple Software technology. A sequence of projects of "Culture Art" in 2016, "Geometric Abstract Art" in 2015, "Funny Face" in 2014, and "Polar Art" in 2013 created at the Borough of Manhattan Community College (BMCC) will be presented at the conference. In order to complete these projects, students were required to apply their Calculus knowledge regarding different curve equations or various surface equations as well as transformation and composition. Furthermore, students were expected to use Maple Software technology to make their designs in computer-generated images. Combining Calculus knowledge and the use of Maple Software technology enables students to create their artistic artwork according with their mathematical thinking. The combination of math knowledge and mastering the use of Maple Software has created a beautiful and interesting way of math learning. (Received August 30, 2016)