

1125-H5-2405 **Nikolay Brodskiy*** (nbrodski@utk.edu), 227 Ayres Hall, 1403 Circle Drive, Knoxville, TN
37996. *Computation and cloud collaboration in a Calculus class*. Preliminary report.

Computational capability of current technology is becoming readily available and user friendly at a rapid pace. Cloud sharing and collaboration is getting seamless and intuitive. I have been using various technologies to enhance my calculus classes over several years: WolframAlpha and Wolfram Mathematica for computations, Google documents and Mathematica Online for collaboration and sharing, Google Hangouts and Zoom for online meetings. I will describe the advantages and disadvantages of using these technologies in a regular class, an online synchronous class, and an online asynchronous class. Proctoring an online test is particularly challenging, and a successful method of proctoring online will be described. I will share my perspectives on how technology choices depend on the instructor's pedagogical preferences. (Received September 20, 2016)