1035-Z1-208   **Wei-Chi Yang*** (`wyang@radford.edu`), 1405 Gladewood Drive, Blacksburg, VA 24060. *It is time to integrate dynamic geometry with computer algebra system.* Preliminary report.

Technology has impacted us in mathematics teaching, learning and research around the world. Complicated and abstract mathematics concepts can be understood by more students thanks to the evolving technical tools. In particular, by integrating 2D and 3D Dynamic Geometry (DG) software with a computer algebra system (CAS), there are new methods of solving existing problems and new concepts waiting to be discovered. While dynamic geometry software packages in 2D and 3D provide us crucial insights and accessibility when making conjectures; a computer algebra system (CAS) is needed to provide us further analytical proofs. We shall see how recent technological tools have made mathematics more accessible to most students and yet challenging to some.