

1086-68-2893

**Sam F Tannouri\***, Computer Science Department, Morgan State University, 1700 E. Cold Spring, Baltimore, MD 21215, and **Ahlan E Tannouri**, Mathematics Department, Morgan State University. *3D Graphs With Augmented Perception.*

The need for tools and algorithmic techniques to deal with very large graphs structures representing massive communication data is emerging to become one the fundamental areas of research. In our work, we are trying to enhance the visualization of graphs; we had proposed the "confluent graphs" to reduce the number of links between the nodes by joining together several links in one flow; then we proposed to convert 2D graphs to 3D, and now we are trying to use the "Stereoscopic techniques" to increase the clarity while viewing 3D graphs. Stereoscopy, also called stereoscopic or 3-D imaging, refers to a technique for creating or enhancing the illusion of depth in an image by presenting two offset images separately to the left and right eye of the viewer. These two-dimensional images are then combined in the brain to give the perception of 3-D depth. We are planning to rewrite, and present the use of one passive stereoscopic technique that uses two-color-glasses to improve the quality of vision of very dense graphs. If our experiment turns well we will improve this work by using the active shutter glasses in our future research. Sponsored By CCICADA The Command, Control, and Interoperability Center for Advanced Data Analysis (Received September 26, 2012)