

1086-97-1063 **Lila F Roberts*** (lilaroberts@clayton.edu), 2000 Clayton State Blvd, Clayton State University, Morrow, GA 30260. *Interactive Mathematics in your Hand.*

Electronic materials for hand-held devices (tablets, smartphones, e-readers and the like) have potential to provide students a traveling mobile bookshelf, making it possible for learning to occur 24/7. Pushing static content to these powerful devices seems a waste of an opportunity when the devices are capable of so much more. This presentation will focus on widgets that provide interactive mathematics in iBooks. Several examples will be presented that make use of MathJax, JSXGraph, and other technologies for building interactivity. A brief demonstration of embedding interactive widgets into iBooks Author will be provided. Ability to extend interactive content to non-Apple devices will be explored. (Received September 18, 2012)