

1145-D1-2218 **Chamberlain Fong*** (chamberlain@alum.berkeley.edu), San Francisco, CA. *Elliptification of Rectangular Imagery.*

We present and discuss different algorithms for converting rectangular imagery into elliptical regions. We will mainly focus on methods that use mathematical mappings with explicit and invertible equations. The key idea is to start with a mapping between the square and the circular disc then extend it to handle rectangles and ellipses. This extension can be done by simply removing the eccentricity and reintroducing it back after using a chosen mapping. In addition, we will discuss how the Fernandez-Guasti squirele plays an important role in many mappings. (Received September 25, 2018)