

1125-14-1590      **Maria Angelica Cueto, Hannah Markwig and Ralph Morrison\*** (10rem@williams.edu),  
181 The Knolls, Apt 3, Williamstown, MA 01267. *Tropical curves of genus 2.*

Classically, a curve of genus 2 is a hyperelliptic curve, and can be defined by an equation  $y^2 = f(x)$  where  $f$  has degree 5 or 6. However, tropicalizing a curve in this form does not in general give rise to a faithful tropicalization. Using tropical modification, I will show you how to re-embed such curves to yield faithful tropicalizations. This is joint work with Maria Angelica Cueto and Hannah Markwig. (Received September 18, 2016)