1069-57-228 **John Berge** and **Brandy Guntel*** (bguntel@math.utexas.edu), 1 University Station C1200, Austin, TX 78712, and **Sungmo Kang**. *Classifying primitive/Seifert knots.* Preliminary report.

Among knots that lie on the genus 2 Heegaard surface for S^3, two classes of knots, the primitive/primitive and primitive/Seifert knots, are of particular interest because they admit lens space surgeries and Seifert fibered surgeries, respectively. The primitive/primitive knots were introduced by Berge; the primitive/Seifert knots, introduced by Dean, are a natural generalization of the primitive/primitive knots. In Berge's work, he classified the primitive/primitive knots. In this talk, I will discuss work, joint with John Berge and Sungmo Kang, to classify the primitive/Seifert knots. (Received January 24, 2011)