

1046-57-1282      **Manjarrez-Gutierrez Fabiola\*** (fmanjarrez@ucdavis.edu), Department of mathematics, One shields avenue, davis, CA 95616. *Circular thin position for knots.*

We define *circular thin position* and *circular width* for knots in  $S^3$ . We use this to show that many knots have more than one non-isotopic incompressible Seifert surface. We also analyze the behavior of the circular width under some knot operations. (Received September 15, 2008)