JOEL HASS, University of California, Department of Mathematics, Davis, CA 95616 *Complexity of Knotting*

The search for an algorithm to determine if a curve is knotted, first posed by Dehn in 1910, is one of the classical problems of topology. The first algorithm was found by Haken 50 years later. The computational complexity of this problem has been investigated recently in joint work with Lagarias and Pippenger. There has been some additional progress recently and I will survey this work.