

**Meeting:** 1000, Albuquerque, New Mexico, SS 14A, Special Session on Braids and Knots

1000-57-126      **Ryan D Budney\*** ([rybu@math.rochester.edu](mailto:rybu@math.rochester.edu)), Department of Mathematics, University of Oregon, Eugene, OR 97403-122. *Topology of knot spaces.*

This talk will briefly survey some recent results on the topology of knot spaces in  $R^n$  for  $n \geq 3$ . For  $n = 3$  there is a conjectural classification of the homotopy type of the knot space, while for  $n > 3$  the Goodwillie Calculus is beginning to shed light on the homotopy type. (Received August 21, 2004)