

Meeting: 1002, Pittsburgh, Pennsylvania, SS 7A, Special Session on Knots and Macromolecules

1002-53-216 **Jonathan K. Simon*** (jonathan-simon@uiowa.edu), Dept. of Mathematics, University of Iowa, Iowa City, IA 52242, and **Gregory R. Buck** (gbuck@anselm.edu), Department of Mathematics, Box 1641, St. Anselm College, Manchester, NH 03102-1310. *Packing, curvature, and tangling of filaments.*

We consider how the properties of spatial packing, curvature, and topological entanglement may be related in any process involving long flexible filaments. (Received September 14, 2004)