1020-05-251 **Chris Soteros*** (soteros@math.usask.ca), Department of Mathematics and Statistics, University of Saskatchewan, 106 Wiggins Road, Saskatoon, SK S7N 5E6, Canada. *Knotting and Linking for self-avoiding polygons in sublattices of* $\mathbb{Z}^3$. Preliminary report.

Theoretical and numerical results regarding the probability of knotting and linking for self-avoiding polygons in the simple cubic lattice, $\mathbb{Z}^3$, and sublattices known as tubes or prisms will be reviewed. Some recent progress on theoretical questions regarding the probability of knotting and linking for polygons and sets of polygons in tubes will be presented. (Received August 29, 2006)