Meeting: 1003, Atlanta, Georgia, SS 21A, AMS Special Session on Mathematics and Mathematics Education in Fiber Arts

1003-08-954 Carolyn A. Yackel* (yackel_ca@mercer.edu), Department of Mathematics, 1400 Coleman Ave., Macon, GA 31207. Realizing Algebraic Structures Through Knitting. Preliminary report.

This talk will have two components. In the first part, we will discuss several different realizations of the ring $\mathbf{Z}/(n)$ in patterned circular knitting. In the second part, we will discuss future directions for exploration by mathematical fiber artists. (Received October 01, 2004)