1117-05-304 **Guantao Chen*** (gchen@gsu.edu), Department of Mathematics and Statistics, Georgia State University, Atlanta, GA 30303, and **Zhiquan Hu** and **Feifei Song**. *A degree condition for knitted graphs.*

Let G be a graph and S be a vertex subset of G. The pair (G, S) is called *knitted* if, for every partition of S into non-empty subsets $S_1, S_2, \ldots, S_t$, there exist disjoint connected subgraphs $C_1, C_2, \ldots, C_t$ in G so that $S_i \subseteq V(C_i)$ for each $1 \leq i \leq t$. A graph G is called *ℓ-knitted* if (G, S) is knitted for all subsets S of $V(G)$ with $|S| = \ell$. Clearly, a $2k$-knitted graph is k-linked. In this talk, we give a new sufficient condition for ℓ-knitted graphs. Our result generalizes a sufficient degree condition for k-linked graphs obtained by Kawarabayashi, Kostochka and Yu. (Received January 16, 2016)