

Meeting: 1006, Lubbock, Texas, SS 12A, Special Session on Graph Theory

1006-05-74 **W. D. Wallis*** (wdwallis@math.siu.edu), Department of Mathematics, Southern Illinois University, Carbondale, IL 62901-4408. *Excessive factorizations of regular graphs*. Preliminary report.

An *excessive factorization* of a regular graph of degree d is a set of $d + 1$ one-factors of the graph that together cover every edge, although no d of them form a one-factorization. Most attention so far has been paid to complete graphs. We shall discuss the case of incomplete graphs. (Received February 05, 2005)