Joseph R Chaffee* (chaffjr@auburn.edu) and Chris Rodger. K_3 -decompositions of $\lambda_1 K_m \vee_{\lambda_2} \lambda_1 K_n$.

Let $\lambda_1 K_m \vee_{\lambda_2} \lambda_1 K_n$ be a graph with two parts M and N in which two vertices are joined by λ_1 edges if they are in the same part and λ_2 edges otherwise. In this paper, we briefly discuss the obvious necessary conditions and then show they are sufficient in certain cases. (Received September 22, 2011)