1014-Z1-753 **Joel S. Foisy*** (foisyjs@potsdam.edu), Math Deparment, 44 Pierrepont Ave., Potsdam, NY 13676. *Graphs with the disjoint linking property.*

Recall that a graph is said to be *intrinsically linked* if it contains a pair of non-splittably linked cycles in every spatial embedding. In the early 1980's, Conway, Gordon and Sachs showed that the complete graph on 6 vertices is intrinsically linked. About 10 years later, the complete set of minor-minimal (in some sense, smallest) intrinsically linked graphs were established by Robertson-Seymour and Thomas. In the summer of 1999, my REU students looked at the related problem of studying graphs with the *disjoint linking property*–graphs that have at least two pairs of non-splittably linked cycles in every spatial embedding. In this talk, I will discuss this project, as well as variations on it that my more recent students have worked on. (Received September 23, 2005)