

1046-15-1903      **Colin Garnett\*** (cgarnett@uwyo.edu), 1000 E. University, Department of Mathematics,  
Laramie, WY 82071. *Minimum rank of skew-symmetric matrices described by a graph.*

The problem of determining the minimum rank of among the skew-symmetric matrices with a given zero-nonzero pattern is discussed, and related to recent developments regarding the minimum rank of other families of matrices. This work is the result of a research group of graduate students and faculty started at the IMA 2008 Summer school. Participating researchers are: Mary Allison, Elizabeth Bodine, Luz DeAlba, Joyati Debnath, Laura DeLoss, Wilson Florero, Colin Garnett, Jason Grout, Leslie Hogben, Bryan Shader, and Amy Wangsness Wehe. (Received September 16, 2008)