1046-05-81 Joshua K. Lambert* (joshua.lambert@ndsu.edu), Department of Mathematics, 302F Minard Hall, North Dakota State University, Fargo, ND 58105-5075. The Biplanar Crossing Number of $C_k \times C_l \times C_{2m} \times P_n$. Preliminary report.

In the article Biplanar crossing numbers I: A survey of results and problems, Czabarka, Sýkora, Székely, and Vrto asked for the biplanar crossing number of $C_n \times C_n \times C_n \times P_n$. The aim of this work is to expand upon this open question. In this paper we will find a biplanar imbedding of $C_k \times C_l \times C_{2m} \times P_n$. We will use an embedding of gridlike graph on the first plane, and then find the appropriate planar decomposition of the given graph to form our desired imbedding on the second plane. (Received September 09, 2008)