

**Meeting:** 998, Houston, Texas, SS 1A, Special Session on Graph Theory and Combinatorics

998-05-426            **Francisco J. Zaragoza\*** ([franz@correo.azc.uam.mx](mailto:franz@correo.azc.uam.mx)). *Restricted Postman Tours on Mixed Graphs.*

Given a connected mixed graph  $M = (V, E, A)$  and a subset  $R$  of its arcs and edges, we are interested in the problem of deciding whether there exists a postman tour of  $M$  traversing the arcs and edges in  $R$  exactly once. If  $R$  contains all edges and arcs, this is simply the problem of deciding whether  $M$  is Eulerian. We will talk about the special cases when  $R = A$  and  $R = E$ . (Received March 08, 2004)