1053-05-209 **Alexandra Ovetsky Fradkin*** (aovetsky@math.princeton.edu), Fine Hall, Washington Road, Princeton, NJ 08540, and **Paul Seymour**. *A polynomial algorithm for the edge-disjoint paths problem for tournaments.* Preliminary report.

We present a polynomially bounded algorithm to solve the following problem: for fixed $k \geq 0$, given a tournament T and k pairs of vertices of T, decide if there are k mutually edge-disjoint paths of T joining the pairs. This problem is known to be NP-complete for digraphs in general for $k \geq 2$. (Received September 04, 2009)