1030-37-406 **Robert Becker**, **Subir Chakrabarti** and **William Geller*** (`wgeller@math.iupui.edu`), Dept. of Math, Indiana U Purdue U Indianapolis, 402 N. Blackford St., Indianapolis, IN 46202, and **Bruce Kitchens** and **Michal Misiurewicz**. *Dynamics of the Nash map in the game of Matching Pennies.*

We analyze the piecewise smooth dynamics on the square of the game of Matching Pennies under iterations of Nash's "better response" map. (Received August 07, 2007)