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## The dynamics of 2 by 2 games

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(joint work with R. A. Becker, S. K. Chakrabarti, W. Geller and  
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We study the dynamics of the Nash map for two player, two strategy games. The dynamics of the Nash map divides the games into three classes. The first class is when there is a dominant strategy and the dynamics are trivial. This class contains the game of prisoner's dilemma. The second class is where the Nash map has elliptic dynamics. This class contains the game of matching pennies. The third class is where the Nash map has hyperbolic dynamics. This class contains the game of chicken.