

THE DEPARTMENT OF MATHEMATICAL SCIENCES

Indiana University - Purdue University Fort Wayne

is pleased to present

David Benko

University of South Alabama
and Visiting Professor, IPFW

Guessing the Probability of a Fake Coin

Abstract

A biased coin was tossed 20 times and we got 18 heads. What is the probability of a head? Common sense (which is also called the maximal-likelihood method) tells us that it is 90%. We question this logic in the talk and give a different approach using game theory (Nash-equilibrium) which was overlooked for centuries.

Joint work with D. Coroian, P. Dragnev, R. Orive.

Noon – 1:00, Thursday, April 28, 2016. Location: KT 146

<http://ipfw.edu/departments/coas/depts/math/news/seminars.html>