

ZMATH 2007e.00430

Turner, Paul

Coin on a chessboard.

Aust. Math. Teach. 62, No. 3, 12-16 (2006).

Summary: If one rolls a coin across a chessboard and it comes to rest on the board, what is the probability that it covers some corner of one of the grid squares? The online magazine "Plus" (2004) posed this problem for students to solve. It is a useful problem for several reasons: it introduces the idea of probability in a continuous sample space, it has a historical background worth exploring and it can be simulated easily using a computer program. (Contains 6 figures.) (ERIC)

Classification: K53

Keywords: problem solving; games; probability; simulation; computer software; experiments; mathematical concepts; geometric concepts