Year: 2010 | Vol.: 76 | Fasc.: 4

Title: The Chooser–Picker 7-in-a-row-game

Author(s): András Csernenszky

One of the main objective of this paper is to relate Beck's conjecture for k-in-a-row games. The conjecture states that playing on the same board Picker is better off in a Chooser–Picker game than the second player in the Maker–Breaker version. It was shown that the 8-in-a-row game is a blocking draw that is a Breaker win. To give the outcome of 7-, or 6-in-a-row-games is hopeless, but these games are widely believed to be Breaker's win. If both conjectures hold, Picker must win the Chooser–Picker version of the 7-in-a-row game, and that is what we prove.

Address:

András Csernenszky Department of Computer Science University of Szeged Szeged Hungary