Εβδομαδιαια Σεμιναρια Τμηματος Μαθηματικων
Weekly Seminar of the Department of Mathematics

How to play a game?

Stanislaw Goldstein

Faculty of Mathematics, University of Lodz, Poland

The talk is devoted to combinatorial game theory, a fairly new mathematical subject dealing with two-person games with no chance involved and with perfect information. The most famous proponents of the theory are Conway, Guy and Berlekamp, whose book "Winning ways for your mathematical plays" is a classic. As a byproduct, Conway came up with a notion of 'surreal number', containing not only real numbers, but also ordinal ones and a whole world of various infinitesimals. The most spectacular success of the theory was to the endgames in the ancient Chinese game of go, popular also in Japan and Korea, where mathematicians were able to solve problems not accessible to professional go players.

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Lecture Room of the Department of Mathematics
16 Σεπτεμβρίου / September 2015, 11:00