1047-43-491   **Wojciech Czaja*** (`wojtek@math.umd.edu`), Department of Mathematics, University of Maryland, College Park, MD 20742, and **James H. Tanis**. *Kaczmarz algorithms and frames.* Preliminary report.

In 1937 Stefan Kaczmarz introduced an iterative method for solving linear systems of equations. Recently, Kwapień and Mycielski, and Szwarc and Haller characterized convergent Kaczmarz algorithms in infinite-dimensional Hilbert spaces by means of tight frames of effective sequences. The purpose of this note is to extend some of their results by introducing a more general notion of frames in this cotext. (Received February 04, 2009)