

**MR778618 (87b:65074)** [65J10](#) ([47A50](#))

**Stachó, László** (H-SZEG-B)

**Infinite products of affine projections from the numerical point of view. (Hungarian. English summary)**

*Alkalmaz. Mat. Lapok* **10** (1984), *no. 1-2*, 185–201.

This interesting paper deals with the iterative solution of systems of linear equations. The purpose of the work is to investigate the convex combinations of Kaczmarz projections using iteration methods. In this way six theorems and five interesting lemmas are established. Here the Kaczmarz methods are studied under the conditions of Hilbert space where the existence of solutions is not provided. In the classical finite-dimensional case the author gives a sharp estimate of the convergence rate for the case of random Kaczmarz iteration.

Reviewed by *B. Jankó*

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