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Two-step variants of Richardson's iterative method. (English. Russian original) [Zbl 0657.65049](#)
Cybernetics 23, No. 2, 187-195 (1987); translation from *Kibernetika* 1987, No. 2, 35-40, 46 (1987).

The author introduces two-step Chebyshev cyclic iterative methods for solving linear systems of algebraic equations. He shows that this method produced simple algorithms which converge faster than the classical Richardson method.

Reviewer: [H.Hollatz](#)

MSC:

65F10 Iterative numerical methods for linear systems

Keywords:

Richardson's iterative method; convergence; comparison of methods; two-step Chebyshev cyclic iterative methods; simple algorithms

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