

ABSTRACT

In this paper, some iterative procedures associated with a class of large linear systems are presented.

First, in § 1, we derive, in a unitary manner, five usual iterative methods. Next, in § 2, we resume some basic results in the theory of iterative processes.

Practical criteria, which assure the convergence of the methods, are given in § 3 and § 4. Finally, conclusions on the use of our results are summarized.