

**Berman, Abraham; Plemmons, Robert J.**

**Nonnegative matrices in the mathematical sciences.** (English) Zbl 0484.15016

Computer Science and Applied Mathematics. New York, San Francisco, London: Academic Press. XVIII, 316 p. \$ 40.00 (1979).

For a scan of this review see the [web version](#).

**MSC:**

- 15B48 Positive matrices and their generalizations; cones of matrices
- 15-02 Research exposition (monographs, survey articles) pertaining to linear algebra
- 15A30 Algebraic systems of matrices
- 65F10 Iterative numerical methods for linear systems
- 15B51 Stochastic matrices
- 60J10 Markov chains (discrete-time Markov processes on discrete state spaces)
- 90C33 Complementarity and equilibrium problems and variational inequalities (finite dimensions) (aspects of mathematical programming)
- 93D25 Input-output approaches in control theory

Cited in **12** Reviews  
Cited in **1593** Documents

**Keywords:**

invariant cone; nonnegative matrices; semi groups; inverse-positivity; M- matrices; iterative methods; finite Markov chains; input-output analysis; linear complementarity