1. Record Nr.   UNINA9910299993703321

   Autore   Dolianin emal B

   Titolo   Dynamical Systems Generated by Linear Maps / / by emal B. Dolianin,
                      Anatolij B. Antonevich

   Pubbl/distr/stampa Cham : , : Springer International Publishing : , : Imprint : Springer, ,
                      2014

   ISBN   3-319-08228-0

   Edizione   [2nd ed. 2014.]

   Descrizione fisica 1 online resource (205 p.)

   Disciplina   510
                      512.9/4
                      515.39
                      515.48

   Soggetti   Dynamics
                      Ergodic theory
                      Vibration
                      Dynamical systems
                      Computational complexity
                      Dynamical Systems and Ergodic Theory
                      Vibration, Dynamical Systems, Control
                      Complexity

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Description based upon print version of record.

   Nota di bibliografia   Includes bibliographical references at the end of each chapters.

   Nota di contenuto From the Contents: Introduction -- Vector trajectory -- The Jordan
                      basis and special subspaces -- Representation of the vector trajectory
                      -- The structures related to the principal term of the vector Trajectory
                      -- The asymptotic behavior of vector trajectories and trajectories of
                      one-dimensional subspaces.

   Sommario/riassunto The book deals with dynamical systems, generated by linear mappings
                      of finite dimensional spaces and their applications. These systems have
                      a relatively simple structure from the point of view of the modern
                      dynamical systems theory. However, for the dynamical systems of this
                      sort, it is possible to obtain explicit answers to specific questions being
                      useful in applications. The considered problems are natural and look

rather simple, but in reality in the course of investigation, they confront users with plenty of subtle questions, and their detailed analysis needs a substantial effort. The problems arising are related to linear algebra and dynamical systems theory, and therefore, the book can be considered as a natural amplification, refinement and supplement to linear algebra and dynamical systems theory textbooks.