1. Record Nr.   UNINA9910583497303321

   Autore   Biran Adrian

   Titolo   Geometry for naval architects / / Adrian Biran, Faculty of Mechanical
                      Engineering, Technion - Israel Institute of Technology, Technion City,
                      Israel

   Pubbl/distr/stampa Oxford : , : Butterworth-Heinemann, , [2019]
                      ©2019

   ISBN   0-08-100339-0

   Descrizione fisica 1 online resource (526 pages) : color illustrations

   Disciplina   623.8101516

   Soggetti   Geometry in architecture
                      Naval architecture - Mathematics

   Lingua di pubblicazione Inglese

   Formato   Materiale a stampa

   Livello bibliografico Monografia

   Nota di bibliografia Includes bibliographical references and index.

   Nota di contenuto Part 1: Traditional Methods. 1. Elements of descriptive geometry -- 2.
                      The hull surface - Graphic definition -- 3. Geometric properties of
                      areas and volumes -- Part 2: Differential Geometry. 4. Parametric
                      curves -- 5. Curvature -- 6. Surfaces -- Part 3: Computer Methods. 7.
                      Cubic splines -- 8. Geometrical transformations -- 9. Bezier curves --
                      10. B-splines and NURBS -- 11. Computer representation of surfaces
                      -- Part 4: Applications in Naval Architecture. 12. Hull transformations
                      by computer software -- 13. Conformal mapping -- Answers to
                      selected exercises.