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|----|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Record Nr.              | UNICAMPANIAVAN00295518                                                                                                                                                                                                                                                                                                                                                                                             |
|    | Autore                  | Toti Rigatelli, Laura                                                                                                                                                                                                                                                                                                                                                                                              |
|    | Titolo                  | Evariste Galois : 1811-1832 / Laura Toti Rigatelli ; Translated from the Italian by John Denton                                                                                                                                                                                                                                                                                                                    |
|    | Pubbl/distr/stampa      | Basel [etc.], : Birkhäuser, 1996                                                                                                                                                                                                                                                                                                                                                                                   |
|    | Titolo uniforme         | Matematica sulle barricate : vita di Evariste Galois                                                                                                                                                                                                                                                                                                                                                               |
|    | Descrizione fisica      | 162 p. : ill. ; 24 cm                                                                                                                                                                                                                                                                                                                                                                                              |
|    | Soggetti                | 01Axx - History of mathematics and mathematicians [MSC 2020]                                                                                                                                                                                                                                                                                                                                                       |
|    | Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                            |
|    | Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                 |
|    | Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2. | Record Nr.              | UNINA9910963699403321                                                                                                                                                                                                                                                                                                                                                                                              |
|    | Titolo                  | Casting design and performance                                                                                                                                                                                                                                                                                                                                                                                     |
|    | Pubbl/distr/stampa      | Materials Park, Ohio, : ASM International, c2009                                                                                                                                                                                                                                                                                                                                                                   |
|    | ISBN                    | 1-61503-132-4                                                                                                                                                                                                                                                                                                                                                                                                      |
|    | Edizione                | [1st ed.]                                                                                                                                                                                                                                                                                                                                                                                                          |
|    | Descrizione fisica      | 1 online resource (270 p.)                                                                                                                                                                                                                                                                                                                                                                                         |
|    | Disciplina              | 671.2                                                                                                                                                                                                                                                                                                                                                                                                              |
|    | Soggetti                | Founding<br>Metal castings                                                                                                                                                                                                                                                                                                                                                                                         |
|    | 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 and index.                                                                                                                                                                                                                                                                                                                                                                     |
|    | Nota di contenuto       | ""Contents""; ""Preface""; ""Casting Design Issues and Practices""; ""Casting Design and Processes""; ""Modeling of Casting and Solidification Processing""; ""Riser Design""; ""Gating Design""; ""Design for Economical Sand Molding""; ""Design for Economical Coring""; ""Casting Design and Geometry""; ""Design Problems Involving Thin Sections""; ""Design Problems Involving Uniform Sections""; ""Design |

Problems Involving Unequal Sections""; ""Design Problems Involving Junctions""; ""Design Problems Involving Distortion""; ""Corrosion of Cast Irons""

""Corrosion of Cast Carbon and Low-Alloy Steels""""Corrosion of Cast Stainless Steels""; ""Fatigue and Fracture Properties of Cast Irons""; ""Fatigue and Fracture Properties of Cast Steels""; ""Fatigue and Fracture Properties of Aluminum Alloy Castings""; ""Friction and Wear of Cast Irons""; ""Friction and Wear of Aluminum-Silicon Alloys""; ""Failure Analysis of Castings""; ""Inspection of Castings""; ""Classification of Casting Defects""; ""Index""

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## Sommario/riassunto

Component casting has many design advantages, especially when complex geometries are required. There are many options and challenges in producing efficient casting designs, and this publication acquaints readers with fundamental information about how casting design influences casting solidification and how casting solidification influences casting properties. Mechanical property data, especially for dynamic properties, are also described in details for cast iron, steel, and aluminum. The book is organized into four major sections: Part I: Casting Design Principles and Practices Part II: Process Design Part III: Design and Geometry Part IV: Casting Performance Appendix: Classification of Casting Defects Index

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