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| Autore                  | Persson Ulf <1950->                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Titolo                  | On degenerations of algebraic surfaces / / Ulf Persson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Descrizione fisica      | 1 online resource (163 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Collana                 | Memoirs of the American Mathematical Society ; ; number 189                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Disciplina              | 512/.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Soggetti                | Surfaces, Algebraic - Degenerations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Nota di contenuto       | <p>""Table of Contents""; ""Introduction""; ""I. A brief survey of the structure and classification of surfaces""; ""Ruled surfaces""; ""Elliptic surfaces""; ""The classification table of surfaces""; ""II. The structure of a degeneration""; ""1. The singular fiber""; ""2. The local behavior near the singular fiber""; ""3. The global structure of <math>N</math> close to <math>N_{[0]}</math>""; ""4. Intersection theory on <math>N</math> and its applications""; ""5. The Mayer-Vietoris spectral sequence, and the calculations of the Betti numbers of the general fiber in terms of the special""; ""6. Projective Degenerations""</p> <p>""7. Mixed Hodge structures and the Clemens-Schmid exact sequence""""III. Degenerations of surfaces""; ""1. Specializations of birational isomorphisms and some of its applications""; ""2. Degenerations of elliptic surfaces""; ""3. Degenerations of minimal <math>N = 0</math> surfaces in the case of no triple points""; ""IV. Lemmas on Curves on Surfaces""; ""V. Deformations of two surfaces meeting along a non-singular curve""; ""1. <math>C</math> is rational""; ""2. <math>C</math> is nonrational""; ""Bibliography""; ""Appendix 1. Elementary examples of degenerations""; ""Appendix 2. A degeneration of Enriques surfaces"" ""Appendix 3. A degeneration of Godeaux surfaces""""Appendix 4. The index of cruciality for elliptic curves in elliptic ruled surfaces""; ""Bibliography of the appendix""; ""List of symbols and notational conventions""; ""Index""</p> |

