1. Record Nr. UNINA9910828759803321 Autore Youssin Boris <1959-> Titolo Newton polyhedra without coordinates: Newton polyhedra of ideals // **Boris Youssin** Providence, Rhode Island:,: American Mathematical Society,, 1990 Pubbl/distr/stampa ©1990 1-4704-0856-2 **ISBN** Descrizione fisica 1 online resource (109 p.) Collana Memoirs of the American Mathematical Society, , 0065-9266; ; Volume 87, Number 433 Disciplina 510 s Soggetti Polyhedral functions Filters (Mathematics) Rings (Algebra) Ideals (Algebra) 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 ""CONTENTS"": ""NEWTON POLYHEDRA WITHOUT COORDINATES"": ""1. Introduction""; ""Chapter 1. Integrally closed filtrations""; ""2. Definition and examples""; ""3. The language of integrally closed subalgebras""; ""4. Generators of a filtration"": ""5. Join and suspension"": ""6. Normal crossing rings and monomials""; ""7. Special filtrations and the Main Theorem""; ""Chapter 2. Contact and stably contact filtrations""; ""8. Initial forms and transversality to the normal crossing divisor""; ""9. Contact filtrations and their structure"; ""10. Galois extensions"" ""21. Some unsolved problems""""Appendices""; ""A1. Weights of a quasihomogeneous filtration are independent of the coordinate system""; ""A2. Criterion for integral closedness""; ""A3. The structure of suspension""; ""A4. Multiplication and division by monomials: Proof of the structure theorem""; ""A5. Suspension of a stably contact filtration is stably contact: Proof of (11.5)""; ""References""; ""NEWTON POLYHEDRA OF IDEALS""; ""1. Introduction""; ""2. Standard bases and the main result""; ""3. Differential operators and principal parts""; ""4.

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