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Nota di contenuto	Contents -- Preface -- A singularly perturbed Riccati equation -- On global aspects of exact WKB analysis of operators admitting infinitely many phases -- Asymptotic differential algebra -- Introduction -- 1. Hardy Fields -- 2. The Field of Logarithmic-Exponential Series -- 3. H-Fields and Asymptotic Couples -- 4. Algebraic Differential Equations over H-Fields -- References -- Formally well-posed Cauchy problems for linear partial differential equations with constant coefficients -- Non-oscillating integral curves and O-minimal structures -- 1. Introduction -- 2. Definitions and examples -- 2.1 Hardy fields and o-minimal structures -- 2.2 Boshernitzan's example -- 2.3 Quasianalytic Denjoy-Carleman classes -- 3. Euler's equation -- 3.1 Euler's equation in the real plane -- 3.2 Euler's equation in the complex plane -- 3.3 Formal conjugation -- Asymptotics and singularities for a class of difference equations -- Topological construction of transseries and introduction to generalized Borel summability -- 1. Introduction -- 1.1. Abstract multiseries -- 1.2. Topology on multiseries -- 1.3. Contractive operators -- 1.4. Inductive construction of logarithm-free transseries -- 1.5. The space

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 Generalized Borel summation for rank one ODEs -- 3.3. Difference
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