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Nota di contenuto	Front matter -- Foreword -- Contents -- Part I. Nonlinear elliptic equations with L1-data -- Chapter 1. Nonlinear elliptic equations of the second order with L1-data -- Chapter 2. Nonlinear equations of the fourth order with strengthened coercivity and L1-data -- Part II. Removability of singularities of the solutions of quasilinear elliptic and parabolic equations of the second order -- Chapter 3. Removability of singularities of the solutions of quasilinear elliptic equations -- Chapter 4. Removability of singularities of the solutions of quasilinear parabolic equations -- Chapter 5. Quasilinear elliptic equations with coefficients from the Kato class -- Part III. Boundary regimes with peaking for quasilinear parabolic equations -- Chapter 6. Energy methods for the investigation of localized regimes with peaking for parabolic second-order equations -- Chapter 7. Method of functional inequalities in peaking regimes for parabolic equations of higher orders -- Chapter 8. Nonlocalized regimes with singular peaking -- Chapter 9. Appendix: Formulations and proofs of the auxiliary results -- Bibliography -- Back matter

This monograph looks at several trends in the investigation of singular solutions of nonlinear elliptic and parabolic equations. It discusses results on the existence and properties of weak and entropy solutions for elliptic second-order equations and some classes of fourth-order equations with  $L^1$ -data and questions on the removability of singularities of solutions to elliptic and parabolic second-order equations in divergence form. It looks at localized and nonlocalized singularly peaking boundary regimes for different classes of quasilinear parabolic second- and high-order equations in divergence form. The book will be useful for researchers and post-graduate students that specialize in the field of the theory of partial differential equations and nonlinear analysis. Contents: Foreword Part I: Nonlinear elliptic equations with  $L^1$ -data Nonlinear elliptic equations of the second order with  $L^1$ -data Nonlinear equations of the fourth order with strengthened coercivity and  $L^1$ -data Part II: Removability of singularities of the solutions of quasilinear elliptic and parabolic equations of the second order Removability of singularities of the solutions of quasilinear elliptic equations Removability of singularities of the solutions of quasilinear parabolic equations Quasilinear elliptic equations with coefficients from the Kato class Part III: Boundary regimes with peaking for quasilinear parabolic equations Energy methods for the investigation of localized regimes with peaking for parabolic second-order equations Method of functional inequalities in peaking regimes for parabolic equations of higher orders Nonlocalized regimes with singular peaking Appendix: Formulations and proofs of the auxiliary results Bibliography

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2. Record Nr.	UNIORUON00026941
Autore	Indonesia. Department of Information
Titolo	30 tahun : Orde Baru Membangun
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