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Nota di contenuto	Acknowledgments; Introduction; Modern Solutions: Litigation and Beyond; Pro-Civil Rights Focus; Recognizing the Good That Many Government Officials Do; Other Definitions and Caveats; PART ONE: FOUNDATIONS OF CIVIL RIGHTS; CHAPTER 1 The Second Amendment; The Current Law of the Second Amendment; Stand Your Ground; Mental Health Aspects; Intervention for At-Risk Youth; The Future of the Second Amendment Debate; CHAPTER 2 The First Amendment; Declaration of Independence; Protests; The Occupy Movement; CHAPTER 3 The Fourth Amendment-Search and Seizure What Privacy Means Today versus What It Should MeanCommon Law Right to Privacy; What Privacy Invasions Are We Willing to Accept?; Racial Profiling, Spying, and Harassment; Stop-and-Frisk; Physical Searches and Seizures; Police Killings of Unarmed Citizens; CHAPTER 4 The Fifth Amendment-Rights of Persons; Due Process; CHAPTER 5 The Fourteenth Amendment-Rights Guaranteed, Privileges and Immunities of Citizenship, Due Process, and Equal Protection; Equal Protection; CHAPTER 6 Discrimination Due to Sexual Orientation; Debunking the Anti-Equality Myths Affirmation of Equality in Marriage by the Supreme CourtPART TWO: LITIGATION; CHAPTER 7 The Process Before Trial, Settlement, or Appeal; CHAPTER 8 Conducting Your Due Diligence; CHAPTER 9

Dealing with Opposing Counsel; CHAPTER 10 Intake; Risk Management; Ultimate Goals; CHAPTER 11 Other Practice Tips; Distinguishing Bad Case Law and Statutes; CHAPTER 12 Forming Your Case; Precedent and Case Strategies for Protesters; What Would You Have Done?; Choosing Your Venue and Pleading Accordingly; Litigating Against Probable Cause and Qualified Immunity; Interlocutory Appeals of Qualified Immunity

CHAPTER 13 Motion PracticeMotions to Dismiss; Motions to Remove to Federal Court; Motions for Preliminary Injunctions or Temporary Restraining Orders; Motion for Judgment on the Pleadings; Motion for Summary Judgment; CHAPTER 14 Discovery; Sample Requests for Production; Sample Deposition Questions for the Arresting Police Officer; Supplementing Discovery with FOIA Requests; CHAPTER 15 The New Guerrilla Warfare of Civil Rights; Other Forums of Protest; Grassroots Constitutional Amendments; Assistance from the National Guard; Elections; Boycotting; The Power of Exposure Fight Back with TechnologyIndex; About the Author

Sommario/riassunto

Asserting our civil rights goes to the heart of what it means to be an American, but unfortunately, our property, liberty, and even life can be sacrificed when we exercise these fundamental rights. This book seeks to help lawyers, their clients, and the general public negotiate the field of civil rights law in the social and political climate of America today. Civil Rights Litigation is a step toward sharing information and cooperation between everyone who supports civil rights, including the separate movements, attorneys, their clients, and the general public.

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Nota di contenuto	Preface; Contents; 1 Introduction; 1.1 What are Plasmon Resonances?; 1.2 Dispersion Relations; 1.3 Overview of Book Contents; References; 2 Modal Analysis of Plasmon Resonances in Nanoparticles; 2.1 Plasmon Resonances as an Eigenvalue Problem; 2.2 Dual Formulation; 2.3 General Properties of Plasmon Spectrum; 2.4 Plasmon Resonances in Nanoshells; 2.5 Relation to the Riemann Hypothesis; References; 3 Analytical and Numerical Analysis of Plasmon Resonances; 3.1 Some Analytical Solutions for Plasmon Modes; 1. Plasmon modes in nanowires of circular cross sections 2. Plasmon modes in circular cross-section nanotubes 3. Plasmon modes in two adjacent circular cross-section nanowires; 4. Plasmon modes in eccentric nanotubes; 5. Plasmon modes in nanowires of elliptical cross sections; 6. Plasmon modes in spherical nanoparticles; 7. Plasmon modes in spherical nanoshells; 8. Plasmon modes in ellipsoidal nanoparticles; 9. Plasmon modes in ellipsoidal nanoshells; 10. Plasmon modes in toroidal nano-rings; 11. Plasmon modes in two adjacent spherical nanoparticles; 12. Plasmon modes in infinite flat structures 3.2 Numerical Techniques for the Analysis of Plasmon Modes 3.3 Numerical Techniques for the Analysis of Plasmon Modes

Numerical Examples; 1. Plasmon modes in nanowires of elliptical cross section; 2. Plasmon resonances in nanowires of triangular cross section; 3. Plasmon modes in spherical nanoparticles; 4. Plasmon modes in ellipsoidal nanoparticles; 5. Plasmon modes in nano-rings of circular cross sections; 6. Plasmon modes in spherical nano-dimers; 7. Plasmon modes in spherical nano-dimers placed on dielectric substrates; 8. Plasmon modes in nano-rings placed on a dielectric substrate; 9. Plasmon modes in nanocubes

10. Plasmon modes in gold nanocylinders (nanodisks) on a dielectric substrate; 11. Plasmon modes in a triangular prism; 12. Plasmon modes in nanoshells; 3.4 Universal Numerical Technique for the Solution of Boundary Integral Equations; 3.5 Absorbing Boundary Conditions for Finite-Difference Time- Domain Analysis of Scattering Problems; References; 4 Radiation Corrections, Excitation of Plasmon Modes and Selective Applications; 4.1 Perturbation Technique; 4.2 First- and Second-Order Radiation Corrections; 4.3 Analysis of Extinction Cross Section

4.4 Coupling of Plasmon Modes to Incident Radiation, Time-Dynamics of Their Excitation and Dephasing; 4.5 Selective Applications of Plasmon Resonances; 4.5.1 Plasmon Resonance Enhancement of Faraday Rotation in Garnet Films; 4.5.2 Application of Plasmon Resonances to Heat-Assisted Magnetic Recording; 4.5.3 Application of Plasmon Resonances to All-Optical Magnetic Recording; 4.5.4 SERS and Plasmon Resonances; 4.5.5 Ball Lightning; 4.5.6 Optical Controllability of Plasmon Resonances; References; Index

Sommario/riassunto

This unique volume provides a broad introduction to plasmon resonances in nanoparticles and their novel applications. Here, plasmon resonances are treated as an eigenvalue problem for specific boundary integral equations and general physical properties of plasmon spectrum are studied in detail. The coupling of incident radiation to specific plasmon modes, the time dynamics of their excitation and dephasing are also analytically treated. Finally, the applications of plasmon resonances to SERS, light controllability (gating) of plasmon resonances in semiconductor nanoparticles, the use of plasmo