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Nota di contenuto	""Preface""; ""Enhancement of near-cloaking. Part III: Numerical simulations, statistical stability, and related questions""; ""1. Introduction""; ""2. Enhancement of near cloaking in the quasi-static limit""; ""3. Enhancement of near cloaking for the Helmholtz equation""; ""4. Concluding remarks""; ""Appendix A. Statistical sensitivity analysis""; ""References""; ""Looking at the world through liquid crystal glasses""; ""1. Introduction""; ""2. Polarizing microscopy""; ""3. LC-PolScope: Variable and universal compensators""; ""4. Fluorescence Confocal Polarizing Microscopy"" ""5. Coherent Anti-Stokes Raman Scattering Microscopy""""6. Fermat Principle and Extraordinary Mode in Liquid Crystals with Gradient Properties""; ""7. Conclusion""; ""Acknowledgement""; ""References""; ""A remark on the observability of conservative linear systems""; ""1. Introduction""; ""2. Proof of the main result""; ""3. Applications""; ""4. Time-discrete conservative systems""; ""5. Ingham type inequalities""; ""6. Further comments an open problems""; ""References""; ""On the

scattered field generated by a ball inhomogeneity of constant index in dimension three"; "1. Introduction"; "3. Numerical solution with ADI splitting"; "Acknowledgements"; "References"; "Imaging with noise blending"; "1. Introduction"; "2. Multi-offset sources"; "3. Stationary random sources"; "4. Incoherence by blending"; "5. Applications"; "6. Numerical illustrations"; "7. Conclusion"; "Appendix A. Statistical stability for a continuum of point sources"; "Appendix B. Resolution analysis"; "References"; "Correlations of heterogeneous wave fields propagating in homogeneous media"; "1. Introduction"; "2. Main result"; "3. Radiative transfer models for correlations"; "4. Correlation filtering and derivation of Result 1"; "5. Application to the imaging of sources"; "6. Numerical simulations"; "7. Conclusion"; "Acknowledgment"; "References"
