

1. Record Nr.	UNINA9910480010603321
Titolo	Multi-scale and high-contrast PDE : from modelling, to mathematical analysis, to inversion : Conference on Multi-scale and High-contrast PDE:from Modelling, to Mathematical Analysis, to Inversion, June 28-July 1, 2011, University of Oxford, United Kingdom / / Habib Ammari, Yves Capdeboscq, Hyeonbae Kang, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2012] ©2012
ISBN	0-8218-9100-6
Descrizione fisica	1 online resource (154 p.)
Collana	Contemporary mathematics ; ; 577
Disciplina	515/353
Soggetti	Image processing - Mathematics Multiscale modeling Differential equations, Partial Electronic books.
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.
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**"
