

1. Record Nr.	UNINA9910146560803321
Autore	Eyert Volker
Titolo	The augmented spherical wave method : a comprehensive treatment / / Volker Eyert
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer-Verlag, , [2007] ©2007
ISBN	1-280-94419-6 9786610944194 3-540-71007-8
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (323 p.)
Collana	Lecture Notes in Physics ; ; 719
Disciplina	515.2433
Soggetti	Spherical harmonics Density functionals Electronic structure
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 (p. [307]-313) and index.
Nota di contenuto	Introduction -- The Standard ASW Method -- Envelope Functions and Structure Constants -- The Plane-Wave Based Full-Potential ASW Method -- Details of the Standard ASW Method -- Details of the Envelope Functions -- Details of the Plane-Wave Based Full-Potential ASW Method -- Brillouin Integration -- Index.
Sommario/riassunto	The Augmented Spherical Wave (ASW) method is one of the most powerful approaches for handling the requirements of finite basis sets in DFT calculations. While it is particularly suited for the calculation of the electronic, magnetic, and optical properties of solid-state materials, recent developments allow application, in addition, to the elastic properties and phonon spectra. The book addresses all those who want to learn about methods for electronic structure calculations and the ASW method, in particular.

2. Record Nr.	UNINA9910781932203321
Titolo	Catastrophe in the making [[electronic resource]] : the engineering of Katrina and the disasters of tomorrow / / William R. Freudenburg ... [et al.]
Pubbl/distr/stampa	Washington, D.C., : Island Press/Shearwater Books, c2009
ISBN	1-59726-231-5 1-59726-682-5
Edizione	[1st ed. 2012.]
Descrizione fisica	1 online resource (222 p.)
Altri autori (Persone)	FreudenburgWilliam R
Disciplina	363.34/9220976090511
Soggetti	Hurricane Katrina, 2005 Hurricane protection - Louisiana - Evaluation Flood control - Louisiana - New Orleans - Evaluation Levees - Louisiana - New Orleans - History Levees - Mississippi River Emergency management - Louisiana - New Orleans Economic development - Environmental aspects - Louisiana - New Orleans
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 and index.
Nota di contenuto	Prologue. The First Days of Katrina -- 1. A Mighty Storm Hits the Shore -- 2. The Setting -- 3. Slicing Through the Swamps -- 4. The Growth Machine Comes to New Orleans -- 5. A "Helpful Explosion" -- 6. The Collapse of Engineered Systems -- 7. The Loss of Natural Defenses -- 8. Critical for Economic Survival? -- 9. The Axe in the Attic -- 10. The End of an Error? -- Endnotes -- References -- Acknowledgments -- Index.
Sommario/riassunto	When houses are flattened, towns submerged, and people stranded without electricity or even food, we attribute the suffering to "natural disasters" or "acts of God." But what if they're neither? What if we, as a society, are bringing these catastrophes on ourselves? That's the provocative theory of <i>Catastrophe in the Making</i> , the first book to recognize Hurricane Katrina not as a "perfect storm," but a tragedy of our own making—and one that could become commonplace. The

authors, one a longtime New Orleans resident, argue that breached levees and sloppy emergency response are just the most obvious examples of government failure. The true problem is more deeply rooted and insidious, and stretches far beyond the Gulf Coast. Based on the false promise of widespread prosperity, communities across the U.S. have embraced all brands of “economic development” at all costs. In Louisiana, that meant development interests turning wetlands into shipping lanes. By replacing a natural buffer against storm surges with a 75-mile long, obsolete canal that cost hundreds of millions of dollars, they guided the hurricane into the heart of New Orleans and adjacent communities. The authors reveal why, despite their geographic differences, California and Missouri are building—quite literally—toward similar destruction. Too often, the U.S. “growth machine” generates wealth for a few and misery for many. Drawing lessons from the most expensive “natural” disaster in American history, *Catastrophe in the Making* shows why thoughtless development comes at a price we can ill afford.
