

1. Record Nr.	UNINA9910144765203321
Titolo	Eurêka
Pubbl/distr/stampa	Ottawa, : Collège Algonquin
Descrizione fisica	1 online resource
Classificazione	cci1icc
Disciplina	510/.5
Soggetti	Mathematics Mathématiques Electronic journals. Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Sponsored by Carleton-Ottawa Mathematics Association.

2. Record Nr.	UNINA9910791887303321
Autore	Pietsch Theodore W
Titolo	Oceanic anglerfishes [[electronic resource]] : extraordinary diversity in the deep sea / / Theodore W. Pietsch
Pubbl/distr/stampa	Berkeley, : University of California Press, c2009
ISBN	1-283-27715-8 9786613277152 0-520-94255-8
Descrizione fisica	1 online resource (571 p.)
Disciplina	597/.62
Soggetti	Anglerfishes
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. 527-545) and index.
Nota di contenuto	Frontmatter -- CONTENTS -- PREFACE -- ACKNOWLEDGMENTS -- 1. Introduction and Historical Perspective -- 2. What Makes an Anglerfish? -- 3. Biodiversity -- 4. Evolutionary Relationships -- 5. Geographic Distribution -- 6. Bioluminescence and Luring -- 7. Locomotion, Food, and Feeding -- 8. Reproduction and Early Life History -- Introduction -- Families, Genera, and Species of the Ceratioidei -- REALLOCATION OF NOMINAL SPECIES OF THE CERATIOIDEI BASED ON FEMALES -- REALLOCATION OF NOMINAL SPECIES OF THE CERATIOIDEI BASED ON FREE-LIVING MALES -- SYMBOLIC CODES FOR INSTITUTIONAL COLLECTIONS -- GLOSSARY -- REFERENCES -- ILLUSTRATION CREDITS -- INDEX
Sommario/riassunto	No environment on Earth imposes greater physical and biological constraints on life than the deep oceanic midwaters. Near-freezing temperatures, the absence of sunlight, enormous pressure, and a low food supply make habitation by any living thing almost inconceivable. Yet 160 species of anglerfishes are found there in surprising profusion. Monstrous in appearance, anglerfishes possess a host of unique and spectacular morphological, behavioral, and physiological innovations. In this fully illustrated book, the first to focus on these intriguing fish, Theodore W. Pietsch delivers a comprehensive summary of all that is known about anglerfishes-morphology, diversity, evolution, geographic distribution, bioluminescence, and reproduction.

3. Record Nr.	UNINA9910139079203321
Titolo	Evidence-based spine-care journal
Pubbl/distr/stampa	Stuttgart, : Thieme
ISSN	1869-4136
Soggetti	Spine - Abnormalities Evidence-based medicine Spine - abnormalities Evidence-Based Medicine Spinal Cord Diseases Spinal Injuries Periodicals. Periodical
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

4. Record Nr.	UNINA9910299771903321
Autore	Tewari Ashish
Titolo	Aeroservoelasticity : Modeling and Control / / by Ashish Tewari
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2015
ISBN	1-4939-2368-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (323 p.)
Collana	Control Engineering, , 2373-7719
Disciplina	629.1323
Soggetti	Mathematical models Aerospace engineering Astronautics System theory Applied mathematics Engineering mathematics Automatic control Mathematical Modeling and Industrial Mathematics Aerospace Technology and Astronautics Systems Theory, Control Mathematical and Computational Engineering Control and Systems Theory Applications of Mathematics
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	Aeroservoelasticity -- Structural Modeling -- Unsteady Aerodynamic Modeling -- Finite-State Aeroelastic Modeling -- Linear Aeroelastic Control -- Nonlinear Aeroservoelastic Applications -- Appendices -- References -- Index.
Sommario/riassunto	This monograph presents the state of the art in aeroservoelastic (ASE) modeling and analysis and develops a systematic theoretical and computational framework for use by researchers and practicing engineers. It is the first book to focus on the mathematical modeling of structural dynamics, unsteady aerodynamics, and control systems to evolve a generic procedure to be applied for ASE synthesis. Existing robust, nonlinear, and adaptive control methodology is applied and

extended to some interesting ASE problems, such as transonic flutter and buffet, post-stall buffet and maneuvers, and flapping flexible wing. The author derives a general aeroservoelastic plant via the finite-element structural dynamic model, unsteady aerodynamic models for various regimes in the frequency domain, and the associated state-space model by rational function approximations. For more advanced models, the full-potential, Euler, and Navier-Stokes methods for treating transonic and separated flows are also briefly addressed. Essential ASE controller design and analysis techniques are introduced to the reader, and an introduction to robust control-law design methods of LQG/LTR and H_2/H_∞ synthesis is followed by a brief coverage of nonlinear control techniques of describing functions and Lyapunov functions. Practical and realistic aeroservoelastic application examples derived from actual experiments are included throughout. Aeroservoelasticity fills an important gap in the aerospace engineering literature and will be a valuable guide for graduate students and advanced researchers in aerospace engineering, as well as professional engineers, technicians, and test pilots in the aircraft industry and laboratories. .
