

1. Record Nr.	UNINA9910427689103321
Autore	Baddoo Peter Jonathan
Titolo	Analytic Solutions for Flows Through Cascades [[electronic resource] /] / by Peter Jonathan Baddoo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-55781-2
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (269 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190- 5053
Disciplina	621.51
Soggetti	Physics Fluid mechanics Acoustical engineering Mathematical Methods in Physics Engineering Fluid Dynamics Engineering Acoustics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Potential Flow Through Cascades of Thin, Impermeable Aerofoils -- Scattering by Cascades of Aerofoils with Realistic Geometry -- Potential Flow Through Cascades of Thin, Porous Aerofoils -- Scattering by Cascades of Aerofoils with Complex Boundary Conditions -- Potential Flow Through Cascades with Multiple Aerofoils per Period -- The Quasi-Periodic Compact Green's Function -- Conclusion.
Sommario/riassunto	This thesis is concerned with flows through cascades, i.e. periodic arrays of obstacles. Such geometries are relevant to a range of physical scenarios, chiefly the aerodynamics and aeroacoustics of turbomachinery flows. Despite the fact that turbomachinery is of paramount importance to a number of industries, many of the underlying mechanisms in cascade flows remain opaque. In order to clarify the function of different physical parameters, the author considers six separate problems. For example, he explores the significance of realistic blade geometries in predicting turbomachinery performance, and the possibility that porous blades can achieve noise

reductions. In order to solve these challenging problems, the author deploys and indeed develops techniques from across the spectrum of complex analysis: the Wiener–Hopf method, Riemann–Hilbert problems, and the Schottky–Klein prime function all feature prominently. These sophisticated tools are then used to elucidate the underlying mathematical and physical structures present in cascade flows. The ensuing solutions greatly extend previous works and offer new avenues for future research. The results are not of simply academic value but are also useful for aircraft designers seeking to balance aeroacoustic and aerodynamic effects.

2. Record Nr.	UNINA9910348226903321
Autore	Feng Hui
Titolo	The politics of China's accession to the World Trade Organization : the dragon goes global // Hui Feng
Pubbl/distr/stampa	London ; ; New York, : Routledge, 2006
ISBN	9786610290307 9781134203529 1134203527 9781134203536 1134203535 9781280290305 1280290307 9780203029411 0203029410
Edizione	[1st ed.]
Descrizione fisica	1 online resource (217 p.)
Collana	Routledge contemporary China series ; ; 8
Classificazione	83.42
Disciplina	382/.92/0951
Soggetti	Nonfiction Politics Sociology China Commercial policy China Economic policy 2000-
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. [183]-196) and index.

Nota di contenuto

Book Cover; Title; Copyright; Contents; Introduction; 1 The iron bloc inside out; 2 The road to the WTO; 3 Contending views on the WTO; 4 Elite politics and the WTO accession; 5 Bureaucratic politics and WTO accession; 6 Foreign pressures on China's WTO accession; Conclusion; Appendix: chronology of China's accession to the WTO; Notes; Bibliography; Index

Sommario/riassunto

Grounded on a series of first-hand interviews with Chinese government officials, this book examines China's accession to the World Trade Organization, providing an 'inside' look at Chinese WTO accession negotiations. Presenting a systematic political economy model in analyzing Beijing's decision-making mechanisms, the book argues that China's WTO policy making is a state-led, leadership driven, and top-down process. Feng explores how China's determined political elite partly bypassed and partly restructured a largely reluctant and resistant bureaucracy, under constant pressure from an incre