

1. Record Nr.	UNISA996543372603316
Autore	Utz Christian
Titolo	Unerhorte Klänge : zur performativen Analyse und Wahrnehmung posttonaler Musik und ihren historischen Voraussetzungen // Christian Utz
Pubbl/distr/stampa	Baden-Baden : , : Georg Olms Verlag, , 2023
ISBN	3-487-42366-9
Descrizione fisica	1 online resource (490 pages) : illustrations
Collana	Studien und Materialien zur Musikwissenschaft, , 0176-0033 ; ; Band 125
Disciplina	780.15
Soggetti	Music appreciation Musical analysis
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (pages 433-478) and index.
Sommario/riassunto	Das Buch versucht ein in der Musik des 20. und 21. Jahrhunderts zunehmend an Bedeutung gewinnendes Verstandnis von "Musik als Wahrnehmungskunst" (Helmut Lachenmann) für die Musikwissenschaft fruchtbar zu machen: Die ineinander verschrankten Konzepte der performativen Analyse und des performativen Horens rucken Wahrnehmungsprozesse ins Zentrum musikologischer Methodik. Zum einen wird dabei die zentrale Stellung von Klang, Zeit und Raum in der neuen Musik seit 1900 in breite musikhistorische und -asthetische Diskurse eingebettet, zum anderen wird mit dem Prinzip der musikalischen Morphosyntax klangliche Materialitat als Ausgangspunkt horend-analytischer Aktivitat begriffen. Wahrnehmung posttonaler Musik ist als performative Aktivitat durch die Erfahrungen des Alltags- und Musikhorens vielfaltig ausgestaltbar und dabei durch eine Verflechtung von morphologischen und metaphorischen Schichten gepragt. Die Analysen werfen so neue Perspektiven auf ein breites Spektrum posttonaler Instrumentalmusik von Arnold Schonberg, Edgard Varese, Giacinto Scelsi, Bernd Alois Zimmermann, Gyorgy Ligeti, Pierre Boulez, Morton Feldman, Gyorgy Kurtag, Helmut Lachenmann, Brian Ferneyhough, Gerard Grisey, Salvatore Sciarrino und Isabel Mundry.

2. Record Nr.	UNINA9910823990103321
Titolo	Non-diffractive waves // edited by Hugo E. Hernandez-Figueroa, Erasmo Recami, and Michel Zamboni-Rached
Pubbl/distr/stampa	Weinheim : , : Wiley-VCH, , [2014] ©2014
ISBN	3-527-67153-6 3-527-67151-X 3-527-67154-4
Descrizione fisica	1 online resource (509 p.)
Altri autori (Persone)	Hernandez-FigueroaHugo E RecamiErasmo Zamboni-RachedMichel
Disciplina	532.0593
Soggetti	Localized waves - Research Waves - Research
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	Non-Diffracting Waves; Title Page; Copyright; Contents; Preface; List of Contributors; Chapter 1 Non-Diffracting Waves: An Introduction; 1.1 A General Introduction; 1.1.1 A Prologue; 1.1.2 Preliminary, and Historical, Remarks; 1.1.3 Definition of Non-Diffracting Wave (NDW); 1.1.4 First Examples; 1.1.5 Further Examples: The Non-Diffracting Solutions; 1.2 Eliminating Any Backward Components: Totally Forward NDW Pulses; 1.2.1 Totally Forward Ideal Superluminal NDW Pulses; 1.3 Totally Forward, Finite-Energy NDW Pulses; 1.3.1 A General Functional Expression for Whatever Totally-Forward NDW Pulses 1.4 Method for the Analytic Description of Truncated Beams1.4.1 The Method; 1.4.2 Application of the Method to a TB Beam; 1.5 Subluminal NDWs (or Bullets); 1.5.1 A First Method for Constructing Physically Acceptable, Subluminal Non-Diffracting Pulses; 1.5.2 Examples; 1.5.3 A Second Method for Constructing Subluminal Non-Diffracting Pulses; 1.6 ``Stationary" Solutions with Zero-Speed Envelopes: Frozen Waves; 1.6.1 A New Approach to the Frozen Waves; 1.6.2 Frozen Waves in Absorbing Media; 1.6.3 Experimental Production of the Frozen Waves

1.7 On the Role of Special Relativity and of Lorentz Transformations
 1.8 Non-Axially Symmetric Solutions: The Case of Higher-Order Bessel Beams; 1.9 An Application to Biomedical Optics: NDWs and the GLMT (Generalized Lorenz-Mie Theory); 1.10 Soliton-Like Solutions to the Ordinary Schroedinger Equation within Standard Quantum Mechanics (QM); 1.10.1 Bessel Beams as Non-Diffracting Solutions (NDS) to the Schroedinger Equation; 1.10.2 Exact Non-Diffracting Solutions to the Schroedinger Equation; 1.10.3 A General Exact Localized Solution; 1.11 A Brief Mention of Further Topics
 1.11.1 Airy and Airy-Type Waves
 1.11.2 "Soliton-Like" Solutions to the Einstein Equations of General Relativity and Gravitational Waves; 1.11.3 Super-Resolution; Acknowledgments; References; Chapter 2 Localized Waves: Historical and Personal Perspectives; 2.1 The Beginnings: Focused Wave Modes; 2.2 The Initial Surge and Nomenclature; 2.3 Strategic Defense Initiative (SDI) Interest; 2.4 Reflective Moments; 2.5 Controversy and Scrutiny; 2.6 Experiments; 2.7 What's in a Name: Localized Waves; 2.8 Arizona Era; 2.9 Retrospective; Acknowledgments; References
 Chapter 3 Applications of Propagation Invariant Light Fields
 3.1 Introduction; 3.2 What Is a "Non-Diffracting" Light Mode?; 3.2.1 Linearly Propagating "Non-Diffracting" Beams; 3.2.2 Accelerating "Non-Diffracting" Beams; 3.2.3 Self-Healing Properties and Infinite Energy; 3.2.4 Vectorial "Non-Diffracting" Beams; 3.3 Generating "Non-Diffracting" Light Fields; 3.3.1 Bessel and Mathieu Beam Generation; 3.3.2 Airy Beam Generation; 3.4 Experimental Applications of Propagation Invariant Light Modes; 3.4.1 Microscopy, Coherence, and Imaging
 3.4.2 Optical Micromanipulation with Propagation Invariant Fields

Sommario/riassunto

This continuation and extension of the successful book "Localized Waves" by the same editors brings together leading researchers in non-diffractive waves to cover the most important results in their field and as such is the first to present the current state. The well-balanced presentation of theory and experiments guides readers through the background of different types of non-diffractive waves, their generation, propagation, and possible applications. The authors include a historical account of the development of the field, and cover different types of non-diffractive waves, including A

3. Record Nr.	UNINA9910829918403321
Autore	Pandrea Nicolae
Titolo	Dynamics of the rigid solid with general constraints by a multibody approach // Nicolae Pandrea and Nicolae-Doru Stanescu
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ISBN	1-118-95440-8
Descrizione fisica	1 online resource (436 p.)
Disciplina	531/.3
Soggetti	Dynamics, Rigid Multibody systems Constraints (Physics)
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	Title Page; Table of Contents; Preface; 1 Elements of Mathematical Calculation; 1.1 Vectors: Vector Operations; 1.2 Real Rectangular Matrix; 1.3 Square Matrix; 1.4 Skew Matrix of Third Order; Further Reading; 2 Kinematics of the Rigid Solid; 2.1 Finite Displacements of the Points of Rigid Solid; 2.2 Matrix of Rotation: Properties; 2.3 Minimum Displacements: The Chasles Theorem; 2.4 Small Displacements; 2.5 Velocities of the Points of Rigid Solid; 2.6 The Angular Velocity Matrix: Properties; 2.7 Composition of the Angular Velocities; 2.8 Accelerations of the Points of Rigid Solid Further Reading 3 General Theorems in the Dynamics of the Rigid Solid; 3.1 Moments of Inertia; 3.2 Momentum: The Theorem of Momentum; 3.3 Moment of Momentum: The Theorem of Moment of Momentum; 3.4 The Kinetic Energy of the Rigid Solid; Further Reading; 4 Matrix Differential Equations of the Motion of Rigid Solid; 4.1 The Differential Equations Obtained from the General Theorems; 4.2 The Lagrange Equations in the Case of the Holonomic Constraints; 4.3 The Equivalence between the Differential Equations Obtained from the General Theorems and the Lagrange Equations 4.4 The Matrix Differential Equations for the Motion of the Constrained Rigid Solid Further Reading; 5 Generalized Forces: The Equilibrium of the Rigid Solid; 5.1 The Generalized Forces in the Case of a Mechanical

System; 5.2 The General Expressions of the Generalized Forces in the Case of Rigid Solid; 5.3 Conservative Forces; 5.4 The Equilibrium of the Constrained Rigid Solid; 5.5 The Equilibrium of the Heavy Rigid Solid Hanged by Springs; Further Reading; 6 The Motion of the Rigid Solid with Constraints at Given Proper Points; 6.1 General Aspects: Classification

6.2 Mathematical Aspects: Notations 6.3 The Study of the Rigid Solid with a Fixed Point; 6.4 The Rigid Solid with Two Fixed Points (the Rotational Motion of the Rigid Solid); 6.5 The Rigid Solid with a Given Point Situated on a Fixed Surface; 6.6 The Rigid Solid with Several Points Situated on Fixed Surfaces (Curves); 6.7 The Rigid Solid with a Fixed Point and with Another Point Situated on a Fixed Surface; 6.8 The Rigid Solid with Two Given Points Situated on a Fixed Curve; Further Reading; 7 The Motion of the Rigid Solid with Constraints on Given Proper Curves

7.1 General Aspects: Classification 7.2 The Rigid Solid Supported at Fixed Points on Given Proper Curves; 7.3 The Rigid Solid at Which Given Proper Curves Support with Sliding on Fixed Curves; 7.4 Rolling without Sliding of a Curve on a Fixed Curve; 7.5 The Motion of the Rigid Solid at Which the Curves Jointed to It Support with Sliding on Fixed Surfaces; 7.6 The Rolling without Sliding of a Disk Bounded by a Spatial Curve on a Fixed Surface; 7.7 The Rolling without Sliding of a Planar Circle Disk on a Horizontal Plan

7.8 The Rolling without Sliding of a Planar Elliptic Disk on a Horizontal Plan
