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Titolo	Frequency, forms and functions of cleft constructions in Romance and Germanic : contrastive, corpus-based studies // edited by Anna-Maria De Cesare
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Collana	Trends in Linguistics Studies and Monographs, , 1861-4302 ; ; Volume 281
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Soggetti	Grammar, Comparative and general - Clauses Romance languages - Grammar, Generative Germanic languages - Grammar, Generative Romance languages - Syntax Germanic languages - Syntax Frequency (Linguistics) Generative grammar Electronic books.
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Front matter -- Table of Contents -- Introduction / De Cesare, Anna-Maria -- Part I. Italian Cleft Constructions in a Contrastive Perspective -- Cleft constructions in a contrastive perspective / De Cesare, Anna-Maria -- Form and frequency of Italian Cleft constructions in a corpus of electronic news / De Cesare, Anna-Maria / Garassino, Davide / Agar Marco, Rocío / Baranzini, Laura -- Cleft sentences. Italian-English in contrast / Garassino, Davide -- Pseudo-cleft sentences. Italian-French in contrast / Baranzini, Laura -- Pseudo-cleft sentences. Italian-Spanish in contrast / Agar Marco, Rocío -- Cleft sentences. Italian-Danish in contrast / Korzen, Iørn -- Cleft sentences. A translation perspective on Italian and French / Brianti, Giovanna -- Part II.

Romance and Germanic Cleft Constructions in Contrast -- Frequency, form and function of Cleft constructions in the Swiss SMS corpus / Stark, Elisabeth -- Inferential cleft constructions in translation / Atayan, Vahram / Wiene, Ursula -- Motivating w(h)-Clefts in English and German: A hypothesis-driven parallel corpus study / Gast, Volker / Levshina, Natalia -- Subject index

Sommario/riassunto

The volume describes the frequency, the forms and the functions of different cleft construction types across two language families: the Romance languages (with discussion of Italian, French and Spanish data) and the Germanic languages (with focus on English, German, Swiss German and Danish).

2. Record Nr.	UNINA9910825366503321
Autore	Pyrhonen Juha
Titolo	Design of rotating electrical machines // Juha Pyrhone, Tapani Jokinen, Valeria Hrabovcova
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Edizione	[Second edition.]
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Altri autori (Persone)	JokinenTapani <1937-> HrabovcovaValeria
Disciplina	621.31/042
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Nota di contenuto	DESIGN OF ROTATING ELECTRICAL MACHINES; Contents; Preface; About the Authors; Abbreviations and Symbols; 1 Principal Laws and Methods in Electrical Machine Design; 1.1 Electromagnetic Principles; 1.2 Numerical Solution; 1.3 The Most Common Principles Applied to

Analytic Calculation; 1.3.1 Flux Line Diagrams; 1.3.2 Flux Diagrams for Current-Carrying Areas; 1.4 Application of the Principle of Virtual Work in the Determination of Force and Torque; 1.5 Maxwell's Stress Tensor; Radial and Tangential Stress; 1.6 Self-Inductance and Mutual Inductance; 1.7 Per Unit Values; 1.8 Phasor Diagrams
 Bibliography 2 Windings of Electrical Machines; 2.1 Basic Principles; 2.1.1 Salient-Pole Windings; 2.1.2 Slot Windings; 2.1.3 End Windings; 2.2 Phase Windings; 2.3 Three-Phase Integral Slot Stator Winding; 2.4 Voltage Phasor Diagram and Winding Factor; 2.5 Winding Analysis; 2.6 Short Pitching; 2.7 Current Linkage of a Slot Winding; 2.8 Poly-Phase Fractional Slot Windings; 2.9 Phase Systems and Zones of Windings; 2.9.1 Phase Systems; 2.9.2 Zones of Windings; 2.10 Symmetry Conditions; 2.10.1 Symmetrical Fractional Slot Windings; 2.11 Base Windings
 2.11.1 First-Grade Fractional Slot Base Windings 2.11.2 Second-Grade Fractional Slot Base Windings; 2.11.3 Integral Slot Base Windings; 2.12 Fractional Slot Windings; 2.12.1 Single-Layer Fractional Slot Windings; 2.12.2 Double-Layer Fractional Slot Windings; 2.13 Single- and Double-Phase Windings; 2.14 Windings Permitting a Varying Number of Poles; 2.15 Commutator Windings; 2.15.1 Lap Winding Principles; 2.15.2 Wave Winding Principles; 2.15.3 Commutator Winding Examples, Balancing Connectors; 2.15.4 AC Commutator Windings; 2.15.5 Current Linkage of the Commutator Winding and Armature Reaction
 2.16 Compensating Windings and Commutating Poles 2.17 Rotor Windings of Asynchronous Machines; 2.18 Damper Windings; Bibliography; 3 Design of Magnetic Circuits; 3.1 Air Gap and its Magnetic Voltage; 3.1.1 Air Gap and Carter Factor; 3.1.2 Air Gaps of a Salient-Pole Machine; 3.1.3 Air Gap of Nonsalient-Pole Machine; 3.2 Equivalent Core Length; 3.3 Magnetic Voltage of a Tooth and a Salient Pole; 3.3.1 Magnetic Voltage of a Tooth; 3.3.2 Magnetic Voltage of a Salient Pole; 3.4 Magnetic Voltage of Stator and Rotor Yokes; 3.5 No-Load Curve, Equivalent Air Gap and Magnetizing Current of the Machine
 3.6 Magnetic Materials of a Rotating Machine 3.6.1 Characteristics of Ferromagnetic Materials; 3.6.2 Losses in Iron Circuits; 3.7 Permanent Magnets in Rotating Machines; 3.7.1 History and Development of Permanent Magnets; 3.7.2 Characteristics of Permanent Magnet Materials; 3.7.3 Operating Point of a Permanent Magnet Circuit; 3.7.4 Demagnetization of Permanent Magnets; 3.7.5 Application of Permanent Magnets in Electrical Machines; 3.8 Assembly of Iron Stacks; Bibliography; 4 Inductances; 4.1 Magnetizing Inductance; 4.2 Leakage Inductances; 4.2.1 Division of Leakage Flux Components
 4.3 Calculation of Flux Leakage

Sommario/riassunto

"This book is an in-depth essential reference of rotating electrical machine design theory and application. In the first part of the book the general theory governing the design of an electrical machine is presented; addressing the necessary fundamentals of electromagnetic theory; exploring possible winding arrangements and resistances; describing the behaviour of the magnetic circuit and flux leakage. After this introduction of principles the main body of the book focuses on the design of a rotating electrical machine. The book defines basic characteristics such as machine type (e.g. synchronous, asynchronous, DC and doubly salient reluctance machines) and type of construction (e.g. external pole, internal pole, axial flux and radial flux machines). It then moves on to provide a detailed analysis of the design process and properties of rotating electrical machines including the insulation and heat removal options. The book illustrates the necessary analytical calculations for machine design through direct design examples i.e. a permanent magnet motor for normal speeds with rotor surface

magnets, traditional squirrel cage induction motor, a low speed high torque fractional slot permanent magnet motor etc."--
