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Altri autori (Persone)	RohdeUlrich L
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Nota di contenuto	INTRODUCTION TO DIFFERENTIAL CALCULUS: Systematic Studies with Engineering Applications for Beginners; CONTENTS; Foreword; Preface; Biographies; Introduction; Acknowledgments; 1 From Arithmetic to Algebra (What must you know to learn Calculus?); 1.1 Introduction; 1.2 The Set of Whole Numbers; 1.3 The Set of Integers; 1.4 The Set of Rational Numbers; 1.5 The Set of Irrational Numbers; 1.6 The Set of Real Numbers; 1.7 Even and Odd Numbers; 1.8 Factors; 1.9 Prime and Composite Numbers; 1.10 Coprime Numbers; 1.11 Highest Common Factor (H.C.F.); 1.12 Least Common Multiple (L.C.M.) 1.13 The Language of Algebra1.14 Algebra as a Language for Thinking; 1.15 Induction; 1.16 An Important Result: The Number of Primes is Infinite; 1.17 Algebra as the Shorthand of Mathematics; 1.18 Notations

in Algebra; 1.19 Expressions and Identities in Algebra; 1.20 Operations Involving Negative Numbers; 1.21 Division by Zero; 2 The Concept of a Function (What must you know to learn Calculus?); 2.1 Introduction; 2.2 Equality of Ordered Pairs; 2.3 Relations and Functions; 2.4 Definition; 2.5 Domain, Codomain, Image, and Range of a Function; 2.6 Distinction Between "f" and "f(x)"

3 Discovery of Real Numbers: Through Traditional Algebra (What must you know to learn Calculus?) 3.1 Introduction; 3.2 Prime and Composite Numbers; 3.3 The Set of Rational Numbers; 3.3 The Set of Rational Numbers; 3.4 The Set of Irrational Numbers; 3.5 The Set of Real Numbers; 3.6 Definition of a Real Number; 3.7 Geometrical Picture of Real Numbers; 3.8 Algebraic Properties of Real Numbers; 3.9 Inequalities (Order Properties in Real Numbers); 3.10 Intervals; 3.11 Properties of Absolute Values; 3.12 Neighborhood of a Point; 3.13 Property of Denseness; 3.14 Completeness Property of Real Numbers 3.15 (Modified) Definition II (l.u.b.) 3.16 (Modified) Definition II (g.l.b.); 4 From Geometry to Coordinate Geometry (What must you know to learn Calculus?); 4.1 Introduction; 4.2 Coordinate Geometry (or Analytic Geometry); 4.3 The Distance Formula; 4.4 Section Formula; 4.5 The Angle of Inclination of a Line; 4.6 Solution(s) of an Equation and its Graph; 4.7 Equations of a Line; 4.8 Parallel Lines; 4.9 Relation Between the Slopes of (Nonvertical) Lines that are Perpendicular to One Another; 4.10 Angle Between Two Lines; 4.11 Polar Coordinate System

5 Trigonometry and Trigonometric Functions (What must you know to learn Calculus?)

Sommario/riassunto

"Through the use of examples and graphs, this book maintains a high level of precision in clarifying prerequisite materials such as algebra, geometry, coordinate geometry, trigonometry, and the concept of limits. The book explores concepts of limits of a function, limits of algebraic functions, applications and limitations for limits, and the algebra of limits. It also discusses methods for computing limits of algebraic functions, and explains the concept of continuity and related concepts in depth. This introductory submersion into differential calculus is an essential guide for engineering and the physical sciences students"--

2. Record Nr.	UNINA9910968609703321
Titolo	People, knowledge and technology : what have we learnt so far? : proceedings of the first iKMS International Conference on Knowledge Management, Singapore, 13-15 December 2004 // editors; Bruno Trezzini, Patrick Lambe, Suliman Hawamdeh
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Nota di contenuto	PREFACE; ACKNOWLEDGEMENTS; CONTENTS; PART I Abstracts of Keynote Addresses; THE HIDDEN POWER OF SOCIAL NETWORKS Rob Cross; KNOWLEDGE STRATEGY AND INNOVATION Josef Hofer-Alfeis; THE FUTURE OF KNOWLEDGE MANAGEMENT Dave Snowden; METADATA SPEAKS: THE THIRD ORDER OF ORDER AND THE VALUE OF THE UNSPOKEN David Wein berg er; PART II Communities and Collaboration; EFFECTS OF COMPANY SIZE AND WORKER'S EXPERIENCE ON KNOWLEDGE DELIVERY FACTORS VIS-A-VIS SOFTWARE DEVELOPMENT EFFICIENCY Samuel A. Ajila & Zheng Sun; 1 Introduction; 2 Background and Motivation; 3 Research Hypotheses 3.1 How knowledge is delivered 3.2 When is the best time to deliver knowledge; 3.3 How knowledge is embedded; 3.4 Form of Knowledge delivery; 4 Research Methods; 4.1 Research Model, Variables and Measures; 4.1.1 Independent Variables; 4.1.2 Dependent Variable;

4.1.3 Control Variables; 5 Research Results; 5.1 Hypotheses Testing; 5.2 The effects of Company size and Knowledge Workers' Experience on Knowledge delivery Factors; 6 Conclusions; 6.1 Limitations and Future Work; References

DEVELOPING KNOWLEDGE I N ""NETWORKS OF PRACTICE"" Pierpaolo Andriani, Gary Atkinson, Alistair Bowden & Richard Hall 1

INTRODUCTION; 2 THE TWO CASE STUDIES; 2.1 The Durham "MINER" Project; 2.2 The MADIC Experiment; 2.3 The Characteristics of the Case Studies; 3 THEORETICAL CONSIDERATIONS; 3.1 Diversity, growing complexity and the network society; 4 DISCUSSION; 4.1 Knowledge processes in NoP; 4.2 Modularity and NoP; 5 CONCLUSIONS; REFERENCES; DEMONSTRATING THE EFFECTIVENESS AND EFFICIENCY OF KNOWLEDGE HALLWAYS WITHIN PRICE-WATERHOUSE COOPERS Gerard Bredenoord; 1 Introduction

2 Approaches to Knowledge Management 3 Background to h C ' s KM programme; 4 Implementation of the Knowledge Broker role at PWC; 5 Why do we need "Hallways"? - The business objectives; 6 What are "Hallways"? - The Characteristics; 7 Challenges to Implementing "Hallways"; 8 Conclusions; 9 Challenges and Next Steps; 9.1 Adoption Rate; 9.2 Communication, Education and Remuneration; 9.3 Leadership; References; DYNAMICS I N TECHNOLOGY-ENHANCED TEAMS: TRANSACTIVE MEMORY I N TRUST NETWORKS Klarissa Ting-Ting Chang; 1 Introduction; 2 Theory; 2.1 Transactive Memory; 2.2 Trust Networks

2.3 Theory of Social Exchange 3 Research Hypotheses; 3.1 Effects of Trust Networks; 3.2 Effects of Social Presence; 3.3 Effects of Reciprocal Exchange; 3.4 Effects of Negotiated Exchange; 4 Methods; 5 Results; 6 Discussion; 6.1 Trust Networks; 6.2 Social Presence; 6.3 Social Exchanges; 7 Future Work; References; APPLYING SENSE-MAKING METHODOLOGY TO ESTABLISH COMMUNITIES OF PRACTICE: EXAMPLES FROM THE BRITISH COUNCIL Bonnie Cheuk; 1 Background; 1.1 Introduction to the British Council; 1.2 Why Communities of Practice? 2 Sense-Making Methodology as an Emerging Approach to Establish Communities of Practice

Sommario/riassunto

This collection of papers from the First International Conference on Knowledge Management (iCKM 2004) offers insights into the state-of-the-art in KM and the challenges lying ahead. Grouped into six themes - communities and collaboration, knowledge sharing, culture as context, knowledge management strategies, knowledge creation, and knowledge discovery - authors provide thought-provoking theoretical and practical discussions, through quantitative analyses and detailed case-studies. iCKM 2004 was organized by the Information and Knowledge Management Society (iKMS), a non-profit society dedicate
