1. Record Nr. UNINA9910154742903321

Autore	Eisenbud David
Titolo	Three-Dimensional Link Theory and Invariants of Plane Curve Singularities. (AM-110), Volume 110 / / David Eisenbud, Walter D. Neumann
Pubbl/distr/stampa	Princeton, NJ : , : Princeton University Press, , [2016] ©1986
ISBN	1-4008-8192-7
Descrizione fisica	1 online resource (184 pages) : illustration
Collana	Annals of Mathematics Studies ; ; 293
Disciplina	514.2
Soggetti	Link theory Invariants Curves, Plane Singularities (Mathematics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Frontmatter -- Contents -- Abstract -- Three-Dimensional Link Theory and Invariants of Plane Curve Singularities -- Introduction -- Review -- Preview -- Chapter I: Foundations -- Appendix to Chapter I: Algebraic Links -- Chapter II: Classification -- Chapter III: Invariants -- Chapter IV: Examples -- Chapter V: Relation to Plumbing -- References -- Backmatter
Sommario/riassunto	This book gives a new foundation for the theory of links in 3-space modeled on the modern developmentby Jaco, Shalen, Johannson, Thurston et al. of the theory of 3-manifolds. The basic construction is a method of obtaining any link by "splicing" links of the simplest kinds, namely those whose exteriors are Seifert fibered or hyperbolic. This approach to link theory is particularly attractive since most invariants of links are additive under splicing.Specially distinguished from this viewpoint is the class of links, none of whose splice components is hyperbolic. It includes all links constructed by cabling and connected sums, in particular all links of singularities of complex plane curves. One of the main contributions of this monograph is the calculation of invariants of these classes of links, such as the Alexander polynomials,

monodromy, and Seifert forms.

2. Record Nr. UNINA9910711625003321

Titolo	Amending the Alaska Native Claims Settlement Act to provide that Alexander Creek, Alaska, is and shall be recognized as an eligible native village under that act, and for other purposes : report together with additional views (to accompany H.R. 1418) (including cost estimate of the Congressional Budget Office)
Pubbl/distr/stampa	[Washington, D.C.] : , : [U.S. Government Publishing Office], , [2018]
Descrizione fisica	1 online resource (11 pages)
Collana	Report / 115th Congress, 2d session, House of Representatives ; ; 115-1058
Soggetti	Alaska Natives - Land tenure Alaska Natives - Claims Federally recognized Indian tribes - Alaska Alaska Natives Federally recognized Indian tribes Claims. Legislative materials. Alaska
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"November 30, 2018."

3. Record Nr. UNINA9910830606203321

Titolo	Spectrum requirement planning in wireless communications : model and methodology for IMT-Advanced / / [edited by] Hideaki Takagi, Bernhard H. Walke
Pubbl/distr/stampa	Chichester, England ; , : Wiley, , c2008 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2008]
ISBN	1-282-34353-X 9786612343537 0-470-75894-5 0-470-75895-3
Descrizione fisica	1 online resource (268 p.)
Collana	Wiley series on wireless communications and mobile computing ; ; 20
Altri autori (Persone)	TakagiHideaki WalkeBernhard
Disciplina	621.384
Soggetti	Wireless communication systems - Standards Cell phone systems - Standards Mobile communication systems - Standards Radio frequency allocation - International cooperation
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. [241]-246) and index.
Nota di contenuto	About the Series Editors -- Preface -- 1 Introduction (Bernhard H. Walke and Hitoshi Yoshino) -- 1.1 Trends inMobileCommunication -- 1.1.1 Mobileapplicationsandservices -- 1.1.2 Radio interface technologies -- 1.1.3 Standardization -- 1.2 Trends inSpectrumUsage -- 1.2.1 Physicalpropertiesof radiospectra -- 1.2.2 Spectrumallocationandidentification -- 1.3 SpectrumAllocation:Why and How -- 2 Utilization of Radio Frequencies (Hitoshi Yoshino, Naoto Matoba, Pekka Ojanen and Bernhard H. Walke) -- 2.1 SpectrumUsageOverview -- 2.2 Spectrum Management by ITU -- 2.3 Radio Communication Services -- 2.4 Radio Communication Systems -- 3 Spectrum Requirement Calculation for IMT-2000 (Hideaki Takagi) -- 3.1 Model -- 3.2 Input Parameters -- 3.3 Methodology -- 3.4 Sequel to the Story -- 4 Spectrum Requirement Calculation for IMT-Advanced (Marja Matinmikko, J<U+008a> org Huschke, Tim Irnich,

Naoto Matoba, Jussi Ojala, Pekka Ojanen, Hideaki Takagi, Bernhard H. Walke and Hitoshi Yoshino) -- 4.1 Overview -- 4.2 Models and Input Parameters -- 4.3 Methodology -- 4.4 Summary of Methodology for IMT-Advanced -- 5 Calculation Tool Package (Marja Matinmikko, J<U+008a>org Huschke and Jussi Ojala) -- 5.1 Description and Use of Software Tool -- 5.2 Front Sheet of Software Tool -- 5.3 Inputs to Software Tool -- 5.4 IntermediateCalculationSteps -- 5.5 Outputs from Software Tool -- 6 Market Data (Marja Matinmikko and Mitsuhiro Azuma) -- 6.1 Collection of Market Data -- 6.2 Use of Market Parameters in the Methodology -- 6.3 AnalysisofCollectedMarketData -- 6.4 Example Input Market Parameter Value Set -- 7 Radio-Related Input Parameters (Marja Matinmikko, Pekka Ojanen and Jussi Ojala) -- 7.1 RAT Group Approach -- 7.2 Use of Radio Parameters in the Methodology -- 7.3 Example Input Radio Parameter Value Set -- 8 Numerical Examples (Tim Irnich, Marja Matinmikko, Jussi Ojala and Bernhard H. Walke) -- 8.1 Packet Size Statistics and QoS Requirements -- 8.2 Traffic Demand Derived from Market Data -- 8.3 TrafficDistribution Ratios.
8.4 Offered Traffic per RAT Group and Radio Environment -- 8.5 Required System Capacity -- 8.6 Required Spectrum -- 9 Capacity Dimensioning to Meet Delay Percentile Requirements (Tim Irnich and Bernhard H. Walke) -- 9.1 Delay Percentile Evaluation -- 9.2 ServiceTimeDistributionin IP-BasedCommunicationSystems -- 9.3 Waiting Time Distribution in M/G/1 Queues -- 9.4 Delay DF Approximation -- 9.5 Accuracy of Gamma and H2 Approximations -- 9.6 Impact of Percentile Requirements on System Capacity -- 9.7 Conclusion -- 10 Epilog: Result ofWRC-07 (Hitoshi Yoshino) -- Appendices -- Appendix A Derivation of Formulas by Queueing Theory (Hideaki Takagi) -- A.1 Erlang-B Formula for a Loss System -- A.2 Erlang-C Formula for a Delay System -- A.3 Multidimensional Erlang-B Formula -- A.3.1 Two classes of calls with single server occupation -- A.3.2 Several classes of calls with multiple server occupation -- A.4 M/G/1 Nonpreemptive Priority Queue -- Appendix B Example Market Study Parameter Values -- Appendix C List of Acronyms and Symbols -- C.1 Acronyms -- C.2 Symbols -- Appendix D ITU-R Documents and Web Sites -- D.1 ITU-R Recommendations -- D.2 ITU-R Reports -- D.3 Other ITU-RDocuments -- D.4 WebSites -- Bibliography -- Index.

Sommario/riassunto

Presents the model and methodology, applied by ITU-R WRC'07, to calculate the spectrum requirement for IMT-Advanced Systems, i.e. the next generation wireless communication systems. Spectrum requirement Planning in Wireless Communications: Model and Methodology for IMT-Advanced is a self-contained 'handbook'" of the models and methodologies used for the spectrum requirement calculating for IMT-Advanced systems, as well as for the predecessor IMT-2000 systems. the reader will learn how the spectrum requirement is calculated for real systems that prevail worldwide. The book also provides the basis on which to develop advanced methodologies for forthcoming systems, as the spectrum regulation will continue in the future. Key Features: . Provides the reader with information on how the spectrum requirement is calculated for real systems that prevail worldwide . Contains useful tables and examples, such as a flowchart of the methodology . Introduces definitions of service category and radio environment, the process of distributing traffic to radio environments, and the method to calculate the required spectrum . Applies queueing and loss models for the calculation of required system capacity . Explains how to use the calculation tool package . Provides a link to a website with the downloadable tool applied by ITU-R WRC'07 for making decisions on spectrum regulation for mobile

systems. This book serves as an invaluable guide to engineers in mobile phone companies, system design engineers, operator system engineers and other specialists dealing with mobile system planning and development. It is also of great interest to researchers and graduate students in the fields of applied probability theory, operations research, telecommunications, and mobile networks engineering.