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Titolo	Amendments to Federal Rules of Criminal Procedure : hearings before the Subcommittee on Criminal Justice of the Committee on the Judiciary, House of Representatives, Ninety-fourth Congress, first session, on amendments to Federal Rules of Criminal Procedure, February 26 and March 24 and 26, 1975
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Soggetti	Criminal procedure - United States Legislative bodies - Reform Criminal procedure Legislative hearings. United States
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Autore	Lima Alexandre Barbosa De
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>           ""Cover""; ""Contents""; ""List of Tables""; ""List of Figures""; ""Preface"";           ""List of acronyms and symbols""; ""1 Introduction""; ""1.1 Objectives of           telecommunications carriers""; ""1.2 Traffic characteristics""; ""1.3           Questions and contributions""; ""1.4 Time series basic concepts"";           ""1.4.1 Time series examples""; ""1.4.2 Operators notation""; ""1.4.3           Stochastic processes""; ""1.4.4 Time series modeling""; ""2 The fractal           nature of network traffic""; ""2.1 Fractals and self-similarity examples"";           ""2.1.1 The Hurst exponent""; ""2.1.2 Sample mean variance""; ""2.2           Long range dependence""           ""2.2.1 Aggregate process"" ""2.3 Self-similarity""; ""2.3.1 Exact second           order self-similarity""; ""2.3.2 Impulsiveness""; ""2.4 Final remarks: why           is the data networks traffic fractal?""; ""3 Modeling of long-range           dependent teletraffic""; ""3.1 Classes of modeling""; ""3.1.1 Non-           parametric modeling""; ""3.2 Wavelet transform""; ""3.2.1           Multiresolution analysis and the discrete wavelet transform""; ""3.3           Model MWM""; ""3.4 Parametric modeling""; ""3.4.1 ARFIMA model"";           ""3.4.2 ARFIMA models prediction - optimum estimation""; ""3.4.3           Forms of prediction""; ""3.4.4 Confidence interval""           ""3.4.5 ARFIMA prediction"" ""3.5 Long memory statistical tests""; ""3.5.1         </p>

R/Sstatistics"; "3.5.2 GPHtest"; "3.6 Some H and d estimation methods"; "3.6.1 R/Sstatistics"; "3.6.2 Variance plot"; "3.6.3 Periodogram method"; "3.6.4 Whittle's method"; "3.6.5 Haslett and Raftery's MV approximate estimator"; "3.6.6 Abry and Veitcha's wavelet estimator"; "3.7 Bi-spectrum and linearity test"; "3.8 KPSS stationarity test"; "4 State-space modeling"; "4.1 Introduction"; "4.2 TARFIMA model"; "4.2.1 Multistep prediction with the Kalman filter"; "4.2.2 The prediction power of the TARFIMA model"; "4.3 Series exploratory analysis"; "4.3.1 ARFIMA(0; 0.4; 0) series"; "4.3.2 MWM series with  $H = 0.9$ "; "4.3.3 Nile river series"; "4.4 Prediction empirical study with the TARFIMA model"; "4.4.1 ARFIMA(0, d, 0) series"; "4.4.2 MWM series"; "4.4.3 Nile river series between years 1007 and 1206"; "4.4.4 Conclusions"; "5 Modeling of Internet traffic"; "5.1 Introduction"; "5.2 Modeling of the UNC02 trace"; "5.2.1 Exploratory analysis"; "5.2.2 Long memory local analysis of the UNC02 trace"; "5.2.3 Empirical prediction with the TARFIMA model"; "6 Conclusions"; "Bibliography"; "Index"; "About the Authors"

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Sommario/riassunto

This book presents a new statespace model for Internet traffic, which is based on a finite-dimensional representation of the Autoregressive Fractionally Integrated Moving Average (ARFIMA) random process. The modeling via Autoregressive (AR) processes is also investigated.

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