Contributors

Johann F. BÖHME
Vladimir KATKOVNIK
Martin BASTIAANS
Boualem BOASHASH
Ioannis PITAS
Akira OHSUMI
Alex GERSHMAN
Tatiana ALIEVA
Rainer HERPERS
Braham BARKAT
Hiroshi IJIMA
Jan TILP
Mark URLAUB

Zdravko USKOKOVIĆ
Srdjan STANKOVIĆ
Igor DJUROVIĆ
Veselin IVANOVIĆ
Dušan PETRANOVIĆ
Radomir LAKOVIĆ
Zoran PETROVIĆ
Božo KRSTAJIĆ
Miloš DAKOVIĆ
Radovan STOJANOVIC
Vesna POPOVIĆ
Slobodan DJUKANOVIC
Vojislav VUKOVIĆ

research monograph 1993-2003
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2004
LJUBIŠA STANKOVIĆ
Editor

TIME-FREQUENCY SIGNAL ANALYSIS

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PREFACE

The aim of this research monograph is to present the results in time-frequency analysis achieved by the group within the Center for Signals, Systems, and Information Theory from the University of Montenegro, during the course of last ten years. Contributions are written by the members of this group and their colleagues from other institutions all over the world.

The monograph is composed of the selected papers arranged in a consistent manner. The related papers are grouped into twelve parts, preceded by a short introduction to the respective area.

The very form of the monograph inevitably causes some repetition and overlap of the certain information and results. Since the papers presented here are aimed for, and were published in the most renowned journals, it is sometimes assumed that the reader is already familiar with this area. We hope that the introductory exposition, as well as the composition of the papers along with the references in each of them, will alleviate this problem.

The work of the group has been supported during these years by several institutions. We want to thank to the Electrical Engineering Department of the University of Montenegro, Montenegrin Academy of Science and Art (CANU), Ministry of Science of the Republic of Montenegro, and the Alexander von Humboldt foundation.

In particular, the editor and most of the authors are thankful to the Volkswagen foundation, Federal Republic of Germany, that supported the group from Montenegro during the last three years, under the project: "Time-frequency Signal Analysis: Methods and Applications" lead by Prof. LJubiša Stanković and Prof. Johann F. Böhme. Project is realized in cooperation with the Signal Theory group from the Ruhr University Bochum, Germany. In that sense, this monograph could also be considered as a supplement to the final report for this project.

CONTENTS

Part 1. Introduction to time-frequency analysis ................................................................. 10

Part 2. An analysis of time-frequency representations ......................................................... 62

An analysis of some time-frequency and time-scale distributions,
LJ. Stanković ......................................................................................................................... 63

Auto-term representation by the reduced interference distributions;
The procedure for a kernel design, LJ. Stanković ................................................................. 80

Relationship between the Ambiguity function coordinate transformations and
Fractional Fourier transform, LJ. Stanković, I. Djurović .................................................... 91

An analysis of instantaneous frequency presentation using time-frequency
distributions - Generalized Wigner distribution,
LJ. Stanković, S. Stanković ..................................................................................................... 95

On rotated time-frequency kernels,
T. Alieva, M. J. Bastiaans, LJ. Stanković ............................................................................ 101

Signal reconstruction from two close fractional Fourier power spectra,
T. Alieva, M. J. Bastiaans, LJ. Stanković ............................................................................ 108


A method for time-frequency signal analysis, LJ. Stanković ............................................. 123

A note on “An overview of aliasing errors in discrete time formulations of time-frequency representations”,
LJ. Stanković, I. Djurović .................................................................................................... 130

Signal dependent S-method,
LJ. Stanković ......................................................................................................................... 134

An architecture for the realization of a system for time-frequency signal
analysis, S. Stanković, LJ. Stanković ............................................................................... 140

A flexible system for time frequency analysis,
S. Stanković, D. Petranović, LJ. Stanković ........................................................................ 147

An architecture for the VLSI design of systems for
time-frequency analysis and time-varying filtering,
S. Stanković, LJ. Stanković, V. Ivanović, R. Stojanović ...................................................... 156
A virtual instrument for time-frequency analysis, 
I. Djurović, LJ. Stanković ................................................................. 173

Time-frequency analysis of multiple resonances in combustion engine 
signals, LJ. Stanković, J. F. Böhme .................................................. 184

Estimation of multicomponent signals by using time-frequency 
representations with application to knock signal analysis, 
I. Djurović, M. Urlaub, J. F. Böhme, LJ. Stanković ........................................... 200

Time-frequency representation based on the reassigned S-method, 
I. Djurović, LJ. Stanković ........................................................ 207

A measure of some time-frequency distributions concentration, 
LJ. Stanković ........................................................................... 212

Time-frequency signal analysis based on the windowed fractional 
Fourier transform, LJ. Stanković, T. Alieva, M. J. Bastiaans ...................... 224

Part 4. Noise influence on the 
time-frequency representations ..................................................................... 235

Wigner distribution of noisy signals, 
LJ. Stanković, S. Stanković ................................................................ 236

On the Wigner distribution of the discrete-time noisy signals with 
application to the study of quantization effects, 
LJ. Stanković, S. Stanković ................................................................ 243

Unified approach to the noise analysis in the spectrogram and Wigner 
distribution, LJ. Stanković, V. Ivanović, Z. Petrović............................................. 251

Further results on the minimum variance time-frequency distribution 
kernels, LJ. Stanković, V. Ivanović................................................................. 265

Do the reduced interference distributions reduce noise influence? 
LJ. Stanković ................................................................................ 276

Finite word-length effects in implementation of distributions for time-
frequency analysis, V. Ivanović, LJ. Stanković, D. Petranović......................... 281

An algorithm for the Wigner distribution of noisy signals realization, 
LJ. Stanković ................................................................................ 292

The Wigner distribution of noisy signals with adaptive time-frequency 
varying window, LJ. Stanković, V. Katkovnik....................................................... 296

Analysis of Noise in Time-Frequency Distributions, 
LJ. Stanković ................................................................................ 310
Estimates of the Wigner distribution in Gaussian noise environment,
I. Djurović, LJ. Stanković, J. F. Böhme................................................................. 317

Part 5. Higher order representations............................................................................ 322

An analysis of Wigner higher order spectra of multicomponent signals,
LJ. Stanković ........................................................................................................... 323

A method for improved distribution concentration in the time-frequency analysis
of multicomponent signals using the L-Wigner distribution, LJ. Stanković........... 329

Multit ime definition of the Wigner higher order distribution:
L-Wigner distribution, LJ. Stanković................................................................. 338

L-class of time-frequency distributions,
LJ. Stanković ....................................................................................................... 344

Modified Wigner bispectrum and its generalizations,
S. Stanković, LJ. Stanković, Z. Uskoković .................................................... 349

Introducing time-frequency distribution with a "complex-time" argument,
S. Stanković, LJ. Stanković.................................................................................... 359

Time-frequency distributions with complex argument,
LJ. Stanković ....................................................................................................... 364

On the realization of the polynomial Wigner-Ville distribution for
multicomponent signals, LJ. Stanković............................................................. 380

Part 6. Highly concentrated energy distributions..................................................... 385

A time-frequency distribution concentrated along the instantaneous
frequency, LJ. Stanković....................................................................................... 386

Highly concentrated time-frequency distributions: Pseudo quantum signal
representation, LJ. Stanković............................................................................... 391

S class of time-frequency distributions,
LJ. Stanković ....................................................................................................... 403

Local polynomial Wigner distribution,
LJ. Stanković ....................................................................................................... 415

Order Adaptive Local Polynomial FT Based Interference Rejection In
Spread Spectrum Communication Systems, LJ. Stanković, S. Djukanović........... 419

On the Capon's method application in time-frequency signal analysis,
LJ. Stanković, V. Popović, M. Daković.............................................................. 430

Part 7. Instantaneous frequency estimation
using time-frequency representations.................................................................... 436
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance of spectrogram as IF estimator</td>
<td>L.J. Stanković, M. Daković, V. Ivanović</td>
<td>437</td>
</tr>
<tr>
<td>Performance of Quadratic Time-Frequency Distributions as Instantaneous Frequency Estimators</td>
<td>V. Ivanović, M. Daković, L.J. Stanković</td>
<td>441</td>
</tr>
<tr>
<td>Instantaneous frequency estimation using the Wigner distribution with varying and data driven window length</td>
<td>V. Katkovnik, L.J. Stanković</td>
<td>458</td>
</tr>
<tr>
<td>Algorithm for the instantaneous frequency estimation using time-frequency distributions with adaptive window width</td>
<td>L.J. Stanković, V. Katkovnik</td>
<td>472</td>
</tr>
<tr>
<td>Instantaneous frequency estimation using the periodogram with time varying window length</td>
<td>V. Katkovnik, L.J. Stanković</td>
<td>478</td>
</tr>
<tr>
<td>Adaptive window in the polynomial Wigner-Ville distributions for the instantaneous frequency estimation of FM signal in additive Gaussian noise</td>
<td>B. Barkat, B. Boashash, L.J. Stanković</td>
<td>492</td>
</tr>
<tr>
<td>Instantaneous frequency estimation by using the Wigner distribution and linear interpolation</td>
<td>L.J. Stanković, I. Djurović, R. M. Laković</td>
<td>498</td>
</tr>
<tr>
<td>Instantaneous frequency estimation using robust spectrogram with varying window length</td>
<td>V. Katkovnik, I. Djurović, L.J. Stanković</td>
<td>514</td>
</tr>
<tr>
<td>Influence of high noise on the instantaneous frequency estimation using quadratic time-frequency distributions</td>
<td>I. Djurović, L.J. Stanković</td>
<td>527</td>
</tr>
<tr>
<td>An algorithm for the Wigner distribution based instantaneous frequency estimation in a high noise environment</td>
<td>I. Djurović, L.J. Stanković</td>
<td>532</td>
</tr>
<tr>
<td><strong>Part 8. Robust time-frequency analysis</strong></td>
<td></td>
<td>546</td>
</tr>
<tr>
<td>Median filter based realizations of the robust time-frequency distributions</td>
<td>I. Djurović, V. Katkovnik, L.J. Stanković</td>
<td>547</td>
</tr>
<tr>
<td>Robust L-estimation based forms of signal transforms and time-frequency representations</td>
<td>I. Djurović, L.J. Stanković, J. F. Böhme</td>
<td>553</td>
</tr>
<tr>
<td>Realization of the Robust Filters in the Frequency Domain</td>
<td>I. Djurović, L.J. Stanković</td>
<td>565</td>
</tr>
<tr>
<td>Robust Wigner distribution with application to the instantaneous frequency estimation</td>
<td>I. Djurović, L.J. Stanković</td>
<td>570</td>
</tr>
</tbody>
</table>
Analysis of polynomial FM signals corrupted by heavy-tailed noise,
B. Barkat, LJ. Stanković ................................................................. 584

Robust adaptive local polynomial Fourier transform,
I. Djurović .................................................................................................. 591

Robust two-dimensional DFT,
I. Djurović, LJ. Stanković, J. F. Böhme ................................................ 598

Part 9. Time-varying filtering ...................................................................... 604

On the time-frequency analysis based filtering,
LJ. Stanković ............................................................................................ 605

Time-varying filtering of speech signals using linear prediction,
S. Stanković, J. Tilp .................................................................................. 619

About time-variant filtering of speech signals with time-frequency
distributions for hands-free telephone systems, S. Stanković .................. 623

Part 10. Multidimensional space-spatial frequency analysis ....................... 632

On the local frequency, group shift and cross-terms in some multidimensional time-
frequency distributions; A method for multidimensional time-frequency analysis,
S. Stanković, LJ. Stanković, Z. Uskoković ................................................. 633

System architecture for space-frequency image analysis,
S. Stanković, I. Djurović, V. Vuković ....................................................... 643

Space/spatial-frequency analysis based filtering,
LJ. Stanković, S. Stanković, I. Djurović ................................................... 647

Nonparametric algorithm for the local frequency estimation,
of multidimensional signals, I. Djurović, LJ. Stanković ......................... 660

Part 11. Time-frequency analysis in multimedial applications .................... 670

Watermarking in the space/spatial-frequency domain using two-
dimensional Radon Wigner distribution, S. Stanković, I. Djurović, I. Pitas ........ 671

Generalization of the Fourier domain watermarking to the space/spatial frequency domain, I. Djurović, S. Stanković, I. Pitas, LJ. Stanković ......................... 686

Digital watermarking in the fractional Fourier transformation domain,
I. Djurović, S. Stanković, I. Pitas ............................................................. 691

An approach to the optimal watermark detection,
S. Stanković, I. Djurović, R. Herpers, LJ. Stanković ............................... 695
Motion parameters estimation by using time-frequency representations,
S. Stanković, I. Djurović ...................................................... 699

Estimation of time-varying velocities of moving objects
by time-frequency representations, I. Djurović, S. Stanković ...................................................... 702

Part 12. Adaptive algorithm for the bias to variance trade-off with applications ........ 721

Performance analysis of the adaptive algorithm for bias-to-variance trade-off,
LJ. Stanković ........................................................................ 722

Instantaneous frequency estimation using higher order L-Wigner distributions
with data driven order and window length, LJ. Stanković, V. Katkovnik ..................................... 732

Sensor array signal tracking using a data-driven window approach,
A. B. Gershman, LJ. Stanković, V. Katkovnik ...................................................... 747

Modification of the ICI rule based IF estimator for high noise environments,
I. Djurović, LJ. Stanković ................................................................ 756

Combined adaptive filter with LMS based algorithms,
B. Krstajić, LJ. Stanković, Z. Uskoković ........................................ 765

An approach to variable step-size LMS algorithm,
B. Krstajić, LJ. Stanković, Z. Uskoković ........................................ 772

Adaptive windowed Fourier transform, I. Djurović, LJ. Stanković .......... 775

Part 13. Appendix ........................................................................ 785

Analysis of noise in time-frequency distributions,
LJ. Stanković ........................................................................ 786

Adaptive instantaneous frequency estimation using TFDs,
LJ. Stanković ........................................................................ 793

Robust time-frequency distributions,
V. Katkovnik, I. Djurović, LJ. Stanković ........................................ 799

Time-frequency filtering of speech signals in hands-free telephone systems,
S. Stanković ........................................................................ 804

Measuring time-frequency distributions concentration,
LJ. Stanković ........................................................................ 810

Quadratic and higher order time-frequency analysis based on the STFT,
LJ. Stanković ........................................................................ 816

Literature ................................................................................ 824
REFERENCES


TIME-FREQUENCY SIGNAL ANALYSIS


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