Fifth International Conference on Squeezed States and Uncertainty Relations

D. Han, J. Janszky, Y.S. Kim, and V.I. Man'ko, Editors

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**Fifth International Conference on Squeezed States and Uncertainty Relations**

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**Abstract**
The Fifth International Conference on Squeezed States and Uncertainty Relations was held at Balatonfured, Hungary, on 27–31 May 1997. This series was initiated in 1991 at the College Park Campus of the University of Maryland as the Workshop on Squeezed States and Uncertainty Relations. The scientific purpose of this series was to discuss squeezed states of light, but in recent years the scope is becoming broad enough to include studies of uncertainty relations and squeeze transformations in all branches of physics including quantum optics and foundations of quantum mechanics. Quantum optics will continue playing the pivotal role in the future, but the future meetings will include all branches of physics where squeeze transformations are basic transformation. As the meeting attracted more participants and started covering more diversified subjects, the fourth meeting was called an international conference. The Fourth International Conference on Squeezed States and Uncertainty Relations was held in 1995 was hosted by Shanxi University in Taiyuan, China. The fifth meeting of this series, which was held at Balatonfured, Hungary, was also supported by the IUPAP. In 1999, the Sixth International Conference will be hosted by the University of Naples in 1999. The meeting will take place in Ravello near Naples.

**Subject Terms**
Squeezed States, Uncertainty Relations, Quantum Optics, Group Theory, Information Theory

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PREFACE

The fifth International Conference on Squeezed States and Uncertainty Relations was held at Balatonfured, Hungary, on 27–31 May 1997. In this edition of the proceedings, we allocated six pages for every participant. As a result, young participants had the same page allocation as their senior colleagues. We hope to keep this tradition in order to encourage more young physicists to come to future meetings of this conference.

This series was initiated in 1991 at the College Park Campus of the University of Maryland as the Workshop on Squeezed States and Uncertainty Relations. The Second Workshop was hosted in 1992 by the Lebedev Physical Institute of the Academy of Science of the U.S.S.R in Moscow. The third meeting of this series was held in 1993 at the Baltimore County Campus of the University of Maryland in Catonesville, Maryland, U.S.A.

As the meeting attracted more participants and started covering more diversified subjects, the fourth meeting was called an international conference. The Fourth International Conference on Squeezed States and Uncertainty Relations was held in 1995 was hosted by Shanxi University in Taiyuan, China. This Conference was sponsored by the International Union of Pure and Applied Physics. The fifth meeting of this series, which was held at Balatonfured, Hungary, was also supported by the IUPAP.

In 1999, the Sixth International Conference will be hosted by the University of Naples in 1999. The meeting will take place in Ravello near Naples. For the fifth meeting which was held in Hungary, we are happy to acknowledge financial and other forms of supports provided by the following agencies and institutions.

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# TABLE OF CONTENTS

I. Squeezed States ............................................................................................................. 1

Optical Engineering With Squeezed Light: Laser Noise Spectra and Noiseless Amplifiers

Electron Interference in the Presence of Squeezed Electromagnetic Fields
A. Vourdas ...................................................................................................................... 13

On Polarization-Squeezed Light at High Efficiency of Second Harmonic Generation by Mixing
A. S. Chirkin and V. N. Beskrovnyi .............................................................................. 19

Evolution of Polarization-Squeezed Light Fluctuations in Third-Order Dissipative Nonlinear Media
A. S. Chirkin and V. V. Volokhovsky .......................................................................... 25

Nonclassical Features in Atom/Squeezed Light Interactions
Stuart Swain ................................................................................................................... 31

Polarisation Properties and Amplitude Squeezing Performances of VCSELs;
Theoretical and Experimental Studies
Jean-Luc Vey, Karsten Auen, Wolfgang Elsasser, and Karl-Heinz Gulden .................. 37

Higher Power Squeezed States, Jacobi Matrices, and the Hamburger Moment Problem
Bengt Nagel ................................................................................................................... 43

Squeezing Properties of the Two-Photon Jaynes-Cummings Model With the Counter-Rotating Terms
K. M. Ng, C. F. Lo, and K. L. Liu ................................................................................ 49
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Squeezing Properties of the Intensity-Dependent Jaynes-Cummings Model With the Counter-Rotating Terms</td>
<td>K. M. Ng, C. F. Lo, and K. L. Liu</td>
<td>63</td>
</tr>
<tr>
<td>The Localization-Delocalization Transition in a Dissipative Two-State System: Correlated Squeezed-State Approach</td>
<td>C. F. Lo</td>
<td>77</td>
</tr>
<tr>
<td>Mimicking a Squeezed Bath Interaction: Quantum Reservoir Engineering With Atom</td>
<td>N. Lutkenhaus, J. I. Cirac, and P. Zoller</td>
<td>85</td>
</tr>
<tr>
<td>Finite-Dimensional Squeezed Vacuum and Its Generation</td>
<td>A. Miranowicz, W. Leonski, and R. Tanas</td>
<td>91</td>
</tr>
<tr>
<td>Detection of Squeezed Thermal Phonons Participating in an Indirect Radiative Transition</td>
<td>O. E. Mustecalihoglu</td>
<td>97</td>
</tr>
<tr>
<td>Simultaneous Higher-Order Squeezing of Both Quadrature Components in Orthogonal-Even Coherent States</td>
<td>Xi-Zeng Li and Jun Wang</td>
<td>103</td>
</tr>
<tr>
<td>Squeezed Quantum Trigonometry</td>
<td>Piotr Kochanski and Krzysztof Wodkiewicz</td>
<td>109</td>
</tr>
<tr>
<td>Radiative Properties of Atoms in the Presence of Squeezed Vacuum</td>
<td>Azeddine Messikh and Ryszard Tanas</td>
<td>115</td>
</tr>
<tr>
<td>Prospects of Generation of Electromagnetic Field in Squeezed State by Free Electrons in External Magnetic Field</td>
<td>V. V. Kulagin and V. A. Cherepenin</td>
<td>121</td>
</tr>
<tr>
<td>Generation of Squeezed Light With Semiconductor Lasers</td>
<td>E. Giacobino, V. Jost, and A. Bramati</td>
<td>127</td>
</tr>
<tr>
<td>A Search for Squeezed Light from Self-Pumped Phase Conjugation in Barium Titanate</td>
<td>R. W. Henry and S. Sherrod</td>
<td>133</td>
</tr>
<tr>
<td>Multiple Beam Model of a GW Antenna Using Squeezed Light</td>
<td>M. Fiorentino, A. Porzio, and S. Solimeno</td>
<td>139</td>
</tr>
<tr>
<td>Cleaning SHG Squeezing Generation With a Third Order Non-Linearity</td>
<td>C. Cabrillo, J. L. Roldan, and P. Garcia-Fernandez</td>
<td>145</td>
</tr>
</tbody>
</table>
New Large Number Hypotheses and Geometric Relations in Squeezed States of the Universe
Hidezumi Terazawa ................................................................. 151

Are Coherent States Squeezed States?
Allan I. Solomon .................................................................. 157

On the Gea-Banacloche Effect in Jaynes-Cummings Model With Squeezed State Input
O. Hirota and M. Osaki .......................................................... 163

Squeezing and EPR Paradox in Nonlinear Optical Patterns
A. Gatti and I. Marzoli .......................................................... 169

The Discovery of Squeezed States-in 1927
Michael Martin Nieto ............................................................ 175

II. Harmonic Oscillators, Wigner functions, and Group Representations ...... 181

SU(2) and SU(1,1) Nonunitary Displaced Two-Mode Number States
Vlasta Perinova and Antonin Luks ........................................ 183

Planning the Evolution of Time-Dependent Oscillators
P. Adam, T. Kiss, and J. Janszky ............................................. 189

The Phase Insensitive Amplification as a Ground for Solution of the Quantum Phase Problem
D. M. Davidovic and D. Lalovic .............................................. 195

Generalized Q Operators
Jamil Daboul ........................................................................... 199

A Hermitian Operator Conjugate to the Number Operator
M. Arryo-Carrasco and H. Moya-Cessa .................................. 205

Quantum Phases and the Degenerate Optical Parameteric Oscillator
Jose M. Cervero and Juan D. Lejarreta .................................. 209

Generation and User of Nonclassical States of Light Produced by CW Optical Parametric Oscillators
C. Fabre, K. Kasai, Gao JiangRui, C. Schwob, A. Maitre, and P. H. Souto-Riberiro .................................................. 215
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quasi-Spin Squeezed State for SU(2)-Algebraic Model of Nucleus</td>
<td>221</td>
</tr>
<tr>
<td>Yasuhiko Tsue, Nobuyuki Azuma, Atsushi Kuriyama, and</td>
<td></td>
</tr>
<tr>
<td>Masatoshi Yamamura</td>
<td></td>
</tr>
<tr>
<td>&quot;SUSUSY&quot; Isospectral Oscillator Potentials</td>
<td>227</td>
</tr>
<tr>
<td>David J. Fernandez C., M. Lawrence Glasser, and Luis M. Nieto.......</td>
<td></td>
</tr>
<tr>
<td>Modification of Squeezing in the Kicked Anharmonic Oscillator</td>
<td>233</td>
</tr>
<tr>
<td>W. Leonsky, R. Tanas, and A. Miranowicz</td>
<td></td>
</tr>
<tr>
<td>On the 'Orthogonalization' of the Minimum Uncertainty States Between the Position and the Rational Function of the Momentum</td>
<td>239</td>
</tr>
<tr>
<td>Fuminori Sakaguchi</td>
<td></td>
</tr>
<tr>
<td>The Evolution of Harmonic Oscillator Wigner Functions Described by the Use of Group Representations</td>
<td>245</td>
</tr>
<tr>
<td>Y. Ben-Aryeh</td>
<td></td>
</tr>
<tr>
<td>Wigner Time Dependent Quantization for External Harmonic Forces</td>
<td>251</td>
</tr>
<tr>
<td>A. Horzela</td>
<td></td>
</tr>
<tr>
<td>Wigner Representation for Parametric Down-Conversion Experiments</td>
<td>257</td>
</tr>
<tr>
<td>Alberto Casado, Trevor W. Marshall, and Emilio Santos....</td>
<td></td>
</tr>
<tr>
<td>Wigner Function for a Relativistic Oscillator with Finite-Difference Hamiltonian</td>
<td>263</td>
</tr>
<tr>
<td>Natig M. Atakishiyev, Shakir M. Nagiyev, and Kurt Bernardo Wolf...</td>
<td></td>
</tr>
<tr>
<td>Wigner Functions and Squeezing Properties of &quot;Atomic Schroedinger Cats&quot;</td>
<td>269</td>
</tr>
<tr>
<td>M. G. Benedict and A. Czirjak</td>
<td></td>
</tr>
<tr>
<td>Wigner Time Dependent Commutation relations for Particlas in External Force Fields</td>
<td>275</td>
</tr>
<tr>
<td>E. Kapuscik</td>
<td></td>
</tr>
<tr>
<td>Wigner Function and Neutron Spin-Echo</td>
<td>281</td>
</tr>
<tr>
<td>Martin Suda and Helmut Rauch</td>
<td></td>
</tr>
<tr>
<td>Atom-Field Interaction: Joint Wigner Function Approach</td>
<td>287</td>
</tr>
<tr>
<td>A. Czirjak and M. G. Benedict</td>
<td></td>
</tr>
<tr>
<td>Phase Operators &amp; Coherent Light</td>
<td>293</td>
</tr>
<tr>
<td>D. A. Dubin, M. A. Hennings, and T. B. Smith</td>
<td></td>
</tr>
</tbody>
</table>
Wigner Function on Groups for Various Optical Models
N. M. Atakishiyev, S. M. Chumakov, L. M. Nieto, and Kurt Bernardo Wolf .................................................. 301

Symplectic Tomography of Nonlinear and Schroedinger Cat States of a Trapped Ion
Olga Man'ko ................................................................................................................................. 309

Symplectic and Lie Algebraic Techniques in Geometric Optics
J. F. Carinena, C. Lopez, and J. Nasarre ...................................................................................... 315

Squeezed States as Representations of Symplectic Groups
D. Han and Y. S. Kim .................................................................................................................. 321

III. Photons and their Interactions with Environments .......................................................... 327

Spontaneous Emission and Interference
Wladyslaw Zakowwicz and Arkadiusz Orlowski ................................................................. 329

Correlated Noise in Laser Diodes
T. C. Ralph .................................................................................................................................... 335

A Hamiltonian for the Generation of Pure States of the Light Field
Antonio Vidiella-Barranco and Jose Antonio Riveri ........................................................................ 339

Entangled Non-Local Quantum Interferometry
D. Boschi, F. De Martini, and G. Di Giuseppe ........................................................................... 343

Time-Resolved Traces of Nonclassical Field States With Optical Gating
Stefan Reisner .............................................................................................................................. 355

A Triphoton State
Timothy E. Keller, Morton H. Rubin, Yanhua Shih, and Ling-an Wu ........................................... 361

Universal Algorithm for Optimal Estimation of Quantum States from Finite Ensembles
R. Derka, V. Buzek, and A. K. Ekert .............................................................................................. 369

Supersymmetry in Quantum Optics and Cluster Approach for Multiphoton Interactions
V. A. Andreev .................................................................................................................................... 375

Duality With Macroscopic Which-Way Detector
Jesus Martinez-Linares ................................................................................................................. 379
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantum Coherence Phenomena in a Penning Trap: Generation and Detection</td>
<td>Stefano Mancini and Paolo Tombesi</td>
<td>385</td>
</tr>
<tr>
<td>Quantum Coupling and Correlation in Forward Three-Wave Mixing</td>
<td>Yajun Lu, Ling-An Wu, Meijuan, Shiqun Li, and Peilin Zhang</td>
<td>391</td>
</tr>
<tr>
<td>Classical Signal Detection in Quantum Systems Under Insufficient A Priori Information</td>
<td>V. V. Kulagin and A. V. Gusev</td>
<td>397</td>
</tr>
<tr>
<td>Quantum Statistics and Dynamics of Kerr Nonlinear Couplers</td>
<td>Natalia Korolkova and Jasn Perina</td>
<td>403</td>
</tr>
<tr>
<td>Stark and Kerr Effects: A Dynamical Algebraic Connection</td>
<td>J. L. Gruver and J. Aligar</td>
<td>409</td>
</tr>
<tr>
<td>QED in Material Media</td>
<td>S. M. Dutra and K. Furuya</td>
<td>415</td>
</tr>
<tr>
<td>Use of Intelligent States of Light for Quantum Noise Reduction in</td>
<td>C. Brif and A. Mann</td>
<td>421</td>
</tr>
<tr>
<td>High-Accuracy Interferometers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quantum Phase in the Jaynes-Cummings Model Describing an Electric Dipole Transition</td>
<td>Ozgur E. Mustecaplioglu and Alexander S. Shumovsky</td>
<td>435</td>
</tr>
<tr>
<td>Special Unitary Manipulation of Confined Quantized Electromagnetic Field</td>
<td>A. Napoli and A. Messina</td>
<td>441</td>
</tr>
<tr>
<td>Quantum Binary Decision and the Ultimate Bound on Interferometric Precision</td>
<td>Matteo G. A. Paris</td>
<td>447</td>
</tr>
<tr>
<td>Statistics of Light in Raman and Brillouin Nonlinear Couplers</td>
<td>J. Perina, Jr. and J. Perina</td>
<td>453</td>
</tr>
<tr>
<td>Multiphoton Absorption Cross Section for the Entangled n-Photon States</td>
<td>Jan Perina Jr., Bahaa E. A. Saleh, and Malvin C. Teich</td>
<td>459</td>
</tr>
<tr>
<td>Communication With Nonclassical States in the Presence of Loss</td>
<td>G. M. D'Ariano and M. F. Sacchi</td>
<td>467</td>
</tr>
</tbody>
</table>
Stefano Mancini and Paolo Tombesi .......................................................... 473

The Two-Level Atom in the Field of A Laser: An Exact Solution
Juan D. Lejarreta and E. S. I. I. Bejar ..................................................... 479

Dynamics of the Field in a Cavity With Movable Boundaries
A. V. Chizhov, G. Schrade, and M. S. Zubairy ....................................... 485

Atoms and Cavities: An Experimental Study of Decoherence
J. M. Raimond, M. Brune, and S. Haroche ........................................... 491

Nonclassical Effects in the Motion of a Trapped Atom
W. Vogel, R. L. de Matos Filho, and S. Wallentowitz ............................ 497

Radiative Interference in a Vee Atomic System
Peng Zhou and Stuart Swain .................................................................. 503

Wigner's Photons
Y. S. Kim ............................................................................................... 509

IV. Quantum Systems and Foundations of Quantum Mechanics........ 515

The Problem of Measurement and the Theory of Quantum State Reduction
Masanao Ozawa ..................................................................................... 517

Classical Description of Quantum States and Tomography
V. I. Man'ko ........................................................................................... 523

Quantum Tomography of Optical Devices
G. M. D'Ariano and L. Maccone ........................................................... 529

Tomographic Reconstruction of the Density Operator
Alfred Wuensche .................................................................................. 535

Why Two-Photon but Not Two Photons?
Y. H. Shih, D. V. Strekalov, and T. D. Pittman .................................... 545

Probing Quantum States by Photon Statistics
Myung Shik Kim .................................................................................... 555

New Approach Determining Quantum Phase via Angular Momentum
Alexander S. Shumovsky ....................................................................... 561

xxiii
Behaviour of p⁺ Mesons in a Strong Magnetic Field
B. I. Lev, A. A. Semenov, and C. V. Usenko

Brooding Over Pion Lasers
T. Csorgo and J. Zimanyi

Squeezed Pure Isospin States in Particle Physics
I. M. Dremin

Dynamical Manipulation for Spin -1/2 Systems
David J. Fernandez C. and Oscar Rosas-Ortiz

Nontomographic State reconstruction in Quantum Mechanics
Ulf Leonhardt

Quantum State Engineering in Terms of a Few Coherent States
L. K. Stergioulas and A. Vourdas

Wave-Particle Duality Quantified
Berthold-Georg Englert

Photon Adding and Subtracting and Schroedinger-Cat Generation in Conditional Output Measurement on a Beam Splitter
D.-G. Welsh, M. Dakna, L. Knoell, and T. Opatrny

Heisenberg Microscope and Quantum Variation Measurement
S. P. Vyatchanin

Exponential Moments of Canonical Phase: Homodyne Measurements T. Opatrny, M. Dakna, and D.-G. Welsh

Model for Quantum Interference of Multiplet Photons From Parametric Down Conversion
Ling-An Wu, Ming Yin, Yidong Zhou, and Meijuan Wu

Nonclassical Spatial Properties of Second-Order Parametric Processes
M. Bertolotti, C. Sibilia, R. Cerioni, and R. Horak

Quantum Measurement of Optical Phases by Detection of Polarization States of Light
Alexander Alodjants and Sergei M. Arakelian

Nonclassical Evolution of a Free Particle
Lars M. Johansen
Realistic Success Probability of Micromaser-Based Nonclassical Field Generation in the Conditional Measurement Approach
A. Napoli and A. Messina ................................................................. 659 - 102

Complementarity Versus Uncertainty
Jean-Francois S. Van Huele and Brent D. Morring ............................. 665/103

Uncertainty of Quantum State Estimation
Zdenek Hradil .................................................................................. 671 - 104

Macroscopic Limit of the Uncertainty Relations
Thomas Breuer ................................................................................... 677 - 105

Is There an Uncertainty Relation for Welcher Weg Measurements?
Walls, and R. B. Killip ................................................................. 681 - 106
I. Squeezed States