

GIACOMO MAURO D'ARIANO
LIST OF PUBLICATIONS

(with citations updated June 2003)

(March 23, 2006)

LIST OF PUBLICATIONS

- [1] G. M. D'Ariano, R. L. Lecander, C. Marchetti e F. Borsa, F^{19} NMR study of disordered paramagnets $KMg_{1-x}Mn_xF_3$, Journal of Magnetism and Magnetic Materials **15-18** 681 (1980)¹
- [2] A. P. Bonoldi, E. Castellaro, R. Ciapparelli, E. Cima, D. Colombo, M. Maffezzini, G. M. D'Ariano e R. Dionigi, *La forza tensile a frattura di alcuni materiali di sutura riassorbibili in diversi ambienti biologici. Studio sperimentale nel ratto*, Bollettino della Società Medico-Chirurgica di Pavia **94** 619 (1980)
- [3] G. M. D'Ariano, *An effective classical field hamiltonian for the quantum $S = 1/2$ models*, Lettere al Nuovo Cimento **33** 81 (1982)
- [4] G. M. D'Ariano, S. Aldovrandi e A. Rigamonti, *Critical behavior of the order parameter at the antiferrodistortive transitions with cubic fluctuations*, Physical Review **B25** 7044 (1982)²
- [5] G. M. D'Ariano e F. Borsa, *Magnetic resonance investigations of the ordering in randomly site-diluted antiferromagnets: $KMnF_3 : Mg$* , Physical Review **B26** 6215 (1982)³
- [6] A. Pavan, G. M. D'Ariano e L. Benini, *Creep fracture in polymers: technique and data handling for a statistical characterization*, Material Science and Engineering **60** 137 (1983)
- [7] G. M. D'Ariano e M. Rasetti, *Soliton equations and coherent states*, Physics Letters **107A** 291 (1985)⁴
- [8] G. M. D'Ariano e M. Rasetti, *Soliton equations τ -functions and coherent states*, in *Integrable Systems in Statistical Mechanics* ed. by G. M. D'Ariano A. Montorsi M. Rasetti vol.1 in Advances Series in Statistical Mechanics World Science Publishing Co. Singapore (1985) pag.143.⁵
- [9] G. M. D'Ariano, M. Rasetti e M. Vadamchino, *Stability of coherent states*, Journal of Physics **18A** 1295 (1985)⁶

⁰Quotations from other authors

⁰Quoting papers from other authors are given in square brackets in these footnotes. Also Reviews are given, in particular those published on *Mathematical Reviews* (MR), in sections *Statistical Mechanics*, *Structure of Matter*, *Quantum Mechanics*, *Dynamical Systems*. The list of quoting papers is given in the following.

⁰Acknowledgements and private communications in [HR83, AAB87, DAM91, ADM91, NT97, Par96e, Par96b]

¹[EAdF85, EAG86, IYKJ86]

²[Rig84, Ste91, Tol84]

³[EAdF85, EAG86, IYKJ86, KG88, TAY90]

⁴[Nij85, Per86, AR91, CRV91, Ber92, PR94, Car94, AR95, SV93]

⁵[LMCB87, Car94, KBD94]

⁶[Per86, BG87, SB87, GTVP89, CRTV00, AR91, BJ91, BD93a, AR95, Roy97], quoted as preprint in [BR84]

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- [11] C. Agnes, C. Buzano, G. M. D'Ariano e M. Rasetti, *A solvable model for a system of coulomb particles in R^2 with homotopically non trivial phase space*, *Lettere al Nuovo Cimento* **43** 181 (1985)
- [12] G. M. D'Ariano, M. Rasetti e M. Vadamchino, *A new type of two-photon squeezed states*, *Physical Review D* **32**, 1034 (1985)⁸
- [13] G. M. D'Ariano e M. Rasetti, *Coherent states as soliton solutions*, *Journal of Magnetism and Magnetic Materials* **54-57** 839 (1986)⁹
- [14] F. Borsa, G. M. D'Ariano e P. Sona, *Low temperature spin dynamics in TMMC from nuclear spin-lattice relaxation rate*, *Journal of Magnetism and Magnetic Materials* **54-57** 827 (1986)
- [15] G. M. D'Ariano, M. Rasetti e M. Vadamchino, *Noise in non linear amplifiers: quantum limit in a squeezed operating state*, in *Noise in physical systems and 1/f noise 1985* A. D'Amico and P. Mazzetti eds. Elsevier Science Publ.B.V. pag.297 (1986)¹⁰
- [16] A. Cavalli, G. M. D'Ariano e L. Michel, *Compact manifolds of coherent states invariant by semisimple Lie groups*, *Annales de l'Istitut Henri Poincaré - Physique Theorique* **44** 173 (1986)¹¹
- [17] J. Katriel, A. Solomon, G. M. D'Ariano e M. Rasetti, *Multi-boson Holstein-Primakoff squeezed states for $SU(2)$ and $SU(1, 1)$* , *Physical Review D* **34** 2332 (1986)¹²
- [18] G. M. D'Ariano e M. Rasetti, *Non gaussian multiphoton squeezed states*, *Physical Review D* **35** 1239 (1987)¹³
- [19] J. Katriel, A. Solomon, G. M. D'Ariano e M. Rasetti, *Multi-photon squeezed states*, *Journal of Optical Society of America* **B4** 1728 (1987)¹⁴

⁷MR 87e:82066 L. H. Kauffman Chicago, Ill.)

⁸[Jan86, JB87, KRS87b, KRS87a, GV88, TM88, JB88a, BBF88, JB88b, BVJ89, BBF89, JBV90, BJ90, BJQ90, ZZ90, BJ91, KS91, LS91, SWW91, Zhe92, DJM92, JDM92, DJ92, DJ93, Jex93, JB93, Zhe93, BD93b, NT95, JTS95, PL94, NT96, Roy97, NT97, PLK97]

⁹[AR91, AR95]

¹⁰[BJ91, Roy97]

¹¹[IS88b, IS88a, IS90, Vou94], (MR 88g:81052 W. Lisiecki PL-WASWB)

¹²[KRS87b, KRS87a, Jan87, GV88, Bul88, JB88a, JB88b, RD89, BVJ89, Buz89b, Buz89a, JBV90, BJ90, SK91, CRTV00, BJ91, CRV91, KS91, TF91, Vou94, Bri95, NT96]

¹³[KRS87b, KRS87a, Swa87, JB87, Jan87, JB88a, JB88b, BVJ89, HV89, JBV90, BJ91, NT93, Vou94, NT95, NT96, Roy97, NT97]

¹⁴[TM88, EK90, SK91, Kar91b, BJ91, CRV91, KS91, SWW91, NT96]

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- [29] G. M. D'Ariano, *Amplitude squeezing through operator scaling*, in 1990 EPS Conference on Optics, Optical Systems and Applications, Inst. Phys. Conf. Ser. No 115 IOP Publishing Ltd (1991), p.73
- [30] G. M. D'Ariano, *Ideal Photon Number Amplifier and Duplicator*, in Workshop on Squeezed States and Uncertainty Relations ed. by D. Han, J. S. Kim, and W. W. Zachary, NASA CP-3135 (1992) pag.311
- [31] G. M. D'Ariano, *Hamiltonians for the photon number-phase amplifiers* Physical Review A **45** 3224 (1992)²¹

¹⁵[OS88, JB88b, Buz89b, Buz89a, BJ89, BJQ90, BJ91, GK91, SWW91, Vou93, Vou94, NT95, Vou95, WWH95, NT96, FS96, Roy97, NT97]

¹⁶(MR 87h:82002 P. A. Pearce Melbourne)

¹⁷[Bul88, Buz90, BJ91, AL92, SCS+94]

¹⁸[BJ90, Kra90, Kar91a, GT91, LS91, Vou94, AL94, AUY94]

¹⁹[SK91, GT91, AJV91, AL94, AUY94, Dod02]

²⁰[OHO92, XZG96, Hir91, XZG96], quoted as preprint in [GT91]

²¹[BSK98, LS98b, MB99]

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²²[KHE93, Zyc93, LQ94, CT95, DH95, DGS95, EK95, Hur95, Per95, DPS96, SC96b, CT97, MX97, MS98], quoted as preprint in [Leb91]

²³[Vou94, Par95b, Vou95, Roy97, DG97, Par97a, Par97c, RTZ97, PLK97, AMS02, Dod02, Giu99]

²⁴[Ros99]

²⁵[ORRS94, BGJe94, EK99]

²⁶[AM98]

²⁷[Sla95, Lyn95, Sla96, Par96e, TMG96, Sla96, PB97, KL97b, Par97d, Sla98, PLK99]

²⁸[BB95, Par95a, Par96d, Par96e, Roy96, MBA⁺96, TMG96, Roy96, PCS97, Par97b, WK97, PB97, Par96a, CDP98, WK98, Par97d, CP98, LDT98, FF99, Hak99, PCB03, LP02, Par99, BWZ99, SU99]

²⁹[LYZe03]

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³¹[RCC+95, Par96e, PTKJ96, Ric96c, WV96a, RW96a, PTKJ96, MHP97, Leo97, Wun97, Ric97, OWV97a, DKW97b, Zub98, MHP98, Ric98, AZ98, BM99b, Ban99c, Mog98b, Lui00, AB01, MTZ00, GN00, WVO99]

³²[BMP+95, RCC+95, SV95, VB95, Leo95, KHL95, MBAR95, VW95, Par96d, Par96e, PWC+96, RW96a, PTKJ96, Leo96, Ric96c, Ric96b, LMK+96, POT96, SBP+96, ZVT96, Wun96, WV96a, LM96, RML96, ZVW96, PBP97, BS97, MHP97, Leo97, MMT97b, Wun97, MR97, Ric97, PTKJ97, OWV97, CN97, PK97, MMD97, Kim97, WWV97, BSM97, KPM97, PCS97, OWV97b, WDV97, BW97b, DKW97a, Hra97, OWV97a, TT97, Yue96, DKW97b, KFS+97, KL97b, MHP98, Mog98b, ODW98, WW98, DOW98a, Ban98a, BDAK98, SKKL98, Ric98, MBS98, PBP98, Kly98, BISM98, FTS99a, KKJ+99, Hak99, FKS+99, Ban99c, VTK03, Zha03, BD00, AB01, ZMG02, ZBRE02, CELS00a, IMW00, VVLe00, Fiu01f, ZZZe00, Ric00, FTS99b, Fiu00, GN00, CDDe00, KKJe00, VCKe00, CELS00b, Ric99a, WVO99, WdMGe99, BDDe99]

³³[NKPb96, KO99, KO98]

³⁴[Elk96, YA97, KK97, EWZ+96, KK97, MVRe00, VMRe00, KObE99]

³⁵[Nay96]

³⁶[Par95b, Par95a, Par96e, Roy96, Par97c, WVO99]

³⁷[GN00]

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³⁹[OWWV97, OWV97c, OWV97b, DKW97a, OWV97a, DKW97b, ZS98, Wun97, Man96, Ric01b, Ric01a, Ric00, CDDe00, WVO99], quoted as preprint in [MMT96]

⁴⁰[HBB00]

⁴¹[LMK+96, MBA+96, BA96, MMD98]

⁴²[For96, Dod02]

⁴³[PTKJ96, LMK+96, ZVT96, KHL95, Par96e, Ric96c, MBA+96, KQZ03, Zha03, ZMG02, Ric01b, AB01, dH01, Ric01a, BD00, MTZ00, Nak00, Fiu00, Ric00, CDDe00, Wun00, Ric99a, WVO99, Ric99b, BDDe99, Ban99c, FKS+99, BM99b, AZ98, Ric98, DBMe98, SKKL98, BDAK98, DOW98b, Zub98, ODW98, Aga98, KL97b, KFS+97, Tan97, Leo97, Wun97, Ric97, BDA+97, Kim97, OWV97b, CY97, WB97, FKY97b, Fre97, DKW97b, BW97c, KL97a, OWV97a, OW97, OWV97c, Mab96, WV96b, LM96, ZVTe96, RW96b, Her96, Ric96a], quoted as preprint in [Leo95]

⁴⁴[Par96b, PCB03, Par99, FF96, Par96c]

⁴⁵[NKPB96, KO98]

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⁴⁶[Ray97, AY97b, AY97a, KHL98, DG98a, Hay98, DG98b, LS98a, AY98, FTS99a, FGWe02b, Qiu02, FGWe02a, Mat02, RF02, FGce01, BD01, FWGe01, Alb01, HLLe01, SLDe01, YG00, ZLG00, ZWLe00, Pat00, VCKe00, AY99, Pat99, WVO99, Ter99, DG99]

⁴⁷[Leo97, OWV97b, Ric01a, Wun00, Leo97]

⁴⁸[Par97b, CDP98]

⁴⁹[Par97c]

⁵⁰[BSK98, Lui02b, Lui01, Bon00]

⁵¹[Man96, MMT97a, MM97, MMT97b, DM97, Man97, MRV98b, Man98a, FM98, MMS98, AMMS98, MMT98, MRV98a, Man98b, DMMW99, App99, DFMe03, Man02, LSU02, KMMe02, MMM02, MSS01, Man01, MS01, MT01, AB01, Man00a, MM00, Man00b, FMM00, Ric99a, WVO99, MM99, MS99a]

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⁵⁶[PCB03]

⁵⁷[Wun00]

⁵⁸[BS97, Hay98, ODW98, MMD98, DOW98a, DBM⁺98, Mat02, Par01, Ros00, WVO99]

⁵⁹[Ban99c, Par02b], quoted as preprint in [DCKW98]

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⁸⁸[PLAe02, ALPe02, Gen01]

⁸⁹[LSJe00, Par00b]

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⁹⁷[CFS02]

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⁹⁹[BL03, Par02a, Hav03, Fiu02c, VBM02, BP02]

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