A Complete Bibliography of the *Journal of Statistical Physics*: 1960–1969

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: `beebe@math.utah.edu`, `beebe@acm.org`, `beebe@computer.org` (Internet)
WWW URL: `http://www.math.utah.edu/~beebe/`

01 March 2019
Version 1.02

Title word cross-reference

acoustic [Sei69]. **answers** [Bal69, Cla69]. **applications** [Sch69]. **approach** [HR69, KtH69].

between [Maz69a]. **body** [Maz69c]. **Boltzmann** [HD69]. **Book** [Fut69]. **boundary** [Cer69]. **Brownian** [Maz69a, Maz69b, Maz69c].

change [BC69]. **collision** [NDR69]. **computer** [SZ69]. **continuum** [BN69]. **contours** [NDR69]. **correctness** [Tru69]. **coupled** [HR69]. **covariance** [And69]. **critical** [NH69].

dependence [Gro69]. **derivation** [BC69]. **detection** [Hel69]. **Differential** [PR69]. **dilute** [OB69]. **disks** [OB69, SS69]. **displacement** [NH69]. **distribution** [Maz69c]. **DNA** [SZ69]. **DNA-like** [SZ69]. **dynamic** [Mor69].

effect [ELK69]. **electrodynamics** [GK69]. **electromagnetic** [Sei69]. **energy** [Gro69]. **energy-entropy** [Gro69]. **engineering** [Sch69]. **Entropy** [HR69, OB69, Gro69, PR69]. **equation** [BC69, HD69]. **equations** [BC69]. **equilibrium** [HR69]. **estimation** [Hel69]. **exciton** [ELK69].

ferromagnet [KtH69]. **fluctuations** [BN69]. **function** [KtH69, Maz69c]. **functions** [GK69].

gas [HD69, OB69]. **Gaussian** [Mee69]. **General** [BC69]. **generation** [And69]. **geometry** [SS69]. **Green** [KtH69].

hard [OB69]. **harmonic** [HR69]. **Heisenberg** [KtH69]. **helix** [SZ69]. **hydrodynamic** [BC69].

II [Maz69b]. **III** [Maz69c]. **incoherent** [Sei69]. **information** [Hob69, HR69, Rei69d]. **integrals** [NDR69, Sch69]. **Interaction** [Maz69a]. **Introduction** [Rei69a]. **inverse** [And69]. **ionized** [BC69]. **irreversibility** [OB69].

kinetic [Cer69, Tru69].

lattice [ELK69]. **learning** [Gro69]. **lifetimes** [ELK69]. **like** [Rei69d, SZ69]. **limit** [Tru69]. **limited** [ELK69]. **Limiting** [SS69]. **linear** [GK69].

Mathematical [Mor69]. **Maxwell** [BC69]. **mechanics** [GK69, Ric69]. **modeling** [Mor69]. **molecules** [BC69]. **motion** [Maz69a, Maz69b, Maz69c].

Navier [Tru69]. **nearly** [Mee69]. **nearly-Gaussian** [Mee69]. **networks** [Gro69]. **News** [Ano69a, Ano69b, Ano69c]. **nonlinear** [Mee69, Mor69]. **nonrecurrent** [Gro69]. **Nonuniform** [Maz69b]. **Note** [NH69]. **nucleation** [Kik69].

oscillator [HR69].

paradox [Kik69]. **paramagnetic** [KtH69]. **particles** [Maz69a]. **Pattern** [Ric69]. **phase** [KtH69]. **physics** [Sch69]. **plasma** [GK69]. **point** [NH69]. **polyatomic** [HD69]. **polytope** [SS69]. **precise** [Tru69]. **principle** [Cer69]. **problem** [And69]. **problems** [Cer69, Mor69]. **processes** [Mee69]. **Prospectus** [Rei69b, Rei69c].

Quantum [Hel69, NH69]. **Questions** [Bal69, Cla69].

recognition [Ric69]. **recurrent** [Gro69]. **representation** [Mee69]. **respect** [Tru69]. **response** [GK69]. **review** [Fut69]. **rigid** [SS69]. **rods** [SS69].

rotation [Kik69].

scattering [Sei69]. **signed** [Gro69]. **simulation** [SZ69]. **space** [NDR69]. **spheres** [SS69]. **stationary** [And69]. **statistical** [BC69, GK69, Ric69]. **Stochastic** [Mee69, Mor69]. **Stokes** [Tru69]. **superconductivity** [Gin69]. **Superfluidity** [Gin69]. **system** [BC69]. **systems** [BN69, HR69, Maz69b, Mor69].

theorem [Hob69]. **theory** [BN69, Cer69, Hel69, Hob69, HR69, Kik69, Maz69a, Maz69b, Maz69c, Rei69d, Tru69]. **Thermodynamic** [Rei69d]. **Thermodynamic-like** [Rei69d]. **tiling** [PR69]. **transformations** [Rei69d]. **translation** [Kik69]. **translation-rotation** [Kik69]. **trap** [ELK69]. **trap-limited** [ELK69]. **Two** [Maz69c]. **Two-body** [Maz69c].

universe [Gin69]. **unwinding** [SZ69]. **upper** [Tru69].

value [Cer69]. **variational** [Cer69]. **Velocity** [NDR69]. **Velocity-space** [NDR69]. **vibrations** [ELK69].

wave [Sei69]. **Wiener** [Sch69].

References

Anderson:1969:IPS

[And69] Brian D. O. Anderson. The inverse problem of stationary covariance generation. *Journal of Statistical Physics*, 1(1):133–147, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007246.

Anonymous:1969:Na

[Ano69a] Anonymous. News. *Journal of Statistical Physics*, 1(1):229–230, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007252.

Anonymous:1969:Nb

[Ano69b] Anonymous. News. *Journal of Statistical Physics*, 1(3):519, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01106584.

Anonymous:1969:Nc

[Ano69c] Anonymous. News. *Journal of Statistical Physics*, 1(4):597–599, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01024135`.

Balakrishnan:1969:QA

[Bal69] A. V. Balakrishnan. Questions and answers. *Journal of Statistical Physics*, 1(1):227–228, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01007251`.

Beshinske:1969:SDH

[BC69] R. J. Beshinske and C. F. Curtiss. A statistical derivation of the hydrodynamic equations of change for a system of ionized molecules. I. General equation of change and the Maxwell equations. *Journal of Statistical Physics*, 1(1):163–174, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01007248`.

Babloyantz:1969:TFC

[BN69] Agnessa Babloyantz and G. Nicolis. On the theory of fluctuations in continuum systems. *Journal of Statistical Physics*, 1(4):563–570, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01024131`.

Cercignani:1969:VPB

[Cer69] Carlo Cercignani. A variational principle for boundary value problems in kinetic theory. *Journal of Statistical Physics*, 1(2):297–311, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01007482`.

Clark:1969:QA

[Cla69] Michael G. Clark. Questions and answers. *Journal of Statistical Physics*, 1(4):595, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01024134`.

Elliott:1969:ELV

[ELK69] Richard A. Elliott, Katja Lakatos, and Robert S. Knox. The effect of lattice vibrations on trap-limited exciton lifetimes. *Journal* *of Statistical Physics*, 1(2):253–269, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007480.

Futrelle:1969:BR

[Fut69] R. P. Futrelle. Book review. *Journal of Statistical Physics*, 1(3):517, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01106583.

Ginzburg:1969:SSU

[Gin69] V. L. Ginzburg. Superfluidity and superconductivity in the universe. *Journal of Statistical Physics*, 1(1):3–24, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007238.

Golden:1969:ESM

[GK69] K. I. Golden and G. Kalman. The electrodynamics and statistical mechanics of linear plasma response functions. *Journal of Statistical Physics*, 1(3):415–466, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01106580.

Grossberg:1969:LEE

[Gro69] Stephen Grossberg. On learning and energy-entropy dependence in recurrent and nonrecurrent signed networks. *Journal of Statistical Physics*, 1(2):319–350, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007484.

Hoffman:1969:BEP

[HD69] David K. Hoffman and John S. Dahler. The Boltzmann equation for a polyatomic gas. *Journal of Statistical Physics*, 1(4):521–558, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01024129.

Helstrom:1969:QDE

[Hel69] Carl W. Helstrom. Quantum detection and estimation theory. *Journal of Statistical Physics*, 1(2):231–252, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007479.

Hobson:1969:NTI

[Hob69] Arthur Hobson. A new theorem of information theory. *Journal of Statistical Physics*, 1(3):383–391, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01106578`.

Huerta:1969:EIT

[HR69] Manuel A. Huerta and Harry S. Robertson. Entropy, information theory, and the approach to equilibrium of coupled harmonic oscillator systems. *Journal of Statistical Physics*, 1(3):393–414, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01106579`.

Kikuchi:1969:TRP

[Kik69] Ryoichi Kikuchi. The translation-rotation paradox in the nucleation theory. *Journal of Statistical Physics*, 1(2):351–375, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01007485`.

Knapp:1969:GFA

[KtH69] R. H. Knapp, Jr. and D. ter Haar. A Green function approach to the paramagnetic phase of a Heisenberg ferromagnet. *Journal of Statistical Physics*, 1(1):149–161, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01007247`.

Mazo:1969:TBMa

[Maz69a] Robert M. Mazo. On the theory of Brownian motion. I. Interaction between Brownian particles. *Journal of Statistical Physics*, 1(1):89–99, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01007243`.

Mazo:1969:TBMb

[Maz69b] Robert M. Mazo. On the theory of Brownian motion. II. Nonuniform systems. *Journal of Statistical Physics*, 1(1):101–106, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01007244`.

Mazo:1969:TBMc

[Maz69c] Robert M. Mazo. On the theory of Brownian motion. III. Two-body distribution function. *Journal of Statistical Physics*, 1(4):559–562,

???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01024130.

Meecham:1969:SRN

[Mee69] W. C. Meecham. Stochastic representation of nearly-Gaussian, nonlinear processes. *Journal of Statistical Physics*, 1(1):25–40, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007239.

Mortensen:1969:MPM

[Mor69] Richard E. Mortensen. Mathematical problems of modeling stochastic nonlinear dynamic systems. *Journal of Statistical Physics*, 1(2):271–296, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007481.

Narasimha:1969:VSC

[NDR69] R. Narasimha, S. M. Deshpande, and P. V. Subba Raju. Velocity-space contours of collision integrals. *Journal of Statistical Physics*, 1 (4):585–593, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01024133.

Nilsen:1969:NQD

[NH69] T. S. Nilsen and P. C. Hemmer. Note on the quantum displacement of the critical point. *Journal of Statistical Physics*, 1(1):175–178, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007249.

Orban:1969:EID

[OB69] J. Orban and A. Bellemans. Entropy and irreversibility in a dilute gas of hard disks. *Journal of Statistical Physics*, 1(3):467–474, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01106581.

Posner:1969:DET

[PR69] Edward C. Posner and Eugene R. Rodemich. Differential entropy and tiling. *Journal of Statistical Physics*, 1(1):57–69, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007241.

Reiss:1969:I

[Rei69a] H. Reiss. Introduction. *Journal of Statistical Physics*, 1(1):1–2, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007237.

Reiss:1969:Pa

[Rei69b] H. Reiss. Prospectus. *Journal of Statistical Physics*, 1(3):377–381, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01106577.

Reiss:1969:Pb

[Rei69c] H. Reiss. Prospectus. *Journal of Statistical Physics*, 1(4):601–608, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01024136.

Reiss:1969:TLT

[Rei69d] H. Reiss. Thermodynamic-like transformations in information theory. *Journal of Statistical Physics*, 1(1):107–131, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007245.

Richardson:1969:PRS

[Ric69] John M. Richardson. Pattern recognition and statistical mechanics. *Journal of Statistical Physics*, 1(1):71–88, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01007242.

Schilder:1969:NAW

[Sch69] Michael Schilder. New applications of Wiener integrals to engineering and physics. *Journal of Statistical Physics*, 1(3):475–516, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01106582.

Seifer:1969:ISA

[Sei69] Arnold D. Seifer. On the incoherent scattering of an acoustic or electromagnetic wave. *Journal of Statistical Physics*, 1(4):571–584, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL http://link.springer.com/article/10.1007/BF01024132.

Stillinger:1969:LPG

[SS69] Frank H. Stillinger, Jr. and Zevi W. Salsburg. Limiting polytope geometry for rigid rods, disks, and spheres. *Journal of Statistical Physics*, 1(1):179–225, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01007250`.

Simon:1969:CSU

[SZ69] Eliot M. Simon and Bruno H. Zimm. A computer simulation of the unwinding of a DNA-like helix. *Journal of Statistical Physics*, 1(1):41–55, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01007240`.

Truesdell:1969:PUL

[Tru69] C. Truesdell. A precise upper limit for the correctness of the Navier–Stokes theory with respect to the kinetic theory. *Journal of Statistical Physics*, 1(2):313–318, ???? 1969. CODEN JSTPSB. ISSN 0022-4715 (print), 1572-9613 (electronic). URL `http://link.springer.com/article/10.1007/BF01007483`.