
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/

31 March 2017
Version 1.23

Title word cross-reference

A  [435].

2 [440]. 2-Phase [58]. 2DEG [356].

3 [372]. 3DEG [356].


Age-Structured [461, 317, 438, 557, 202, 124, 179, 304, 339, 367, 162, 81].

Age-Dependent [304].

Age [461, 317, 438, 557, 202, 124, 179, 304, 339, 367, 162, 81].

Applications [226, 339, 466, 450, 292, 600, 373].

Application [56, 613, 397, 278, 301, 57, 462, 226, 339, 466, 450, 292, 600, 373].

Applications [93, 155, 245, 516, 612, 353, 502].

Applied [42, 248].


Approaches [588, 191].

Approximate [182, 103].

Approximation [633, 364, 720, 261, 678, 494, 450, 687].

Approximations [544, 543, 641, 355, 444, 189].

Aquifer [607].

Arabinoside [196].

Arbitrary [470, 57].

Arising [414, 117, 441, 543, 63, 231, 222, 639].

Arrays [513, 74].

Arterial [382, 145].

Artery [375].

Artifacts [516].

Artificial [272].

Asian [438, 433].

Aspects [378].

Assays [455].

Assembly [704, 649, 522].

Assisted [531, 346].

Asymmetric [496].

Asymptotic [293, 8, 219, 414, 60, 117, 591, 92, 13, 211, 63, 398, 574, 198, 426, 157, 698, 146, 495, 466, 251, 284, 221, 19].

Asymptotics [351, 302, 643, 704, 149, 447].

Atherogenesis [36].

Atomic [353].

Attenuating [217].

Attenuation [116].

Attractive [399].

Attractor [161].

Attractors [340, 273].

Auctions [496].

Audio [105].

Auto [535].

Auto-Oscillatory [535].

Autoignition [92].

Average [655, 139].

Averaged [255].

Averaging [262, 412, 417].

Avian [114, 557, 505].

Avoid [547].

Avoiding [664].

Away [68].

Axially [51].

Axisymmetric [205, 420, 274, 672].

Axonal [163].

B [162, 81].

Background [485].

Backus [655].

Backward [162].

Bacteria [233].

Balance [543, 695].

Balanced [619, 334].

Balancing [618, 29, 290].

Balloons [93].

Band [409].

Banded [306, 352].

Banding [257].

Bandlimited [268].

Bank [367].

Bar [511].

Barrelling [60].

Barrier [358, 603].

Base [623].

Based [468, 666, 356, 58, 68, 482, 544, 492, 279, 28, 31, 118, 191, 108].

Basic [457].

Basin [273].

Beam [204, 429].

Beams [469].

Beat [218].

Beating [122].

Beds [718].

Beetle [433].

Behavior [177, 527, 545, 310, 304, 374, 209, 466, 355, 18].

Behavioral [489].

Beneath [552].

Better [363].

between [703, 401, 113, 547, 203].

Bias [715].

Biasing [169].

Bitial [342].

Bidomain [276, 122].

Bifurcated [661].

Bifurcation

One-Phase [303]. One-Sided [76]. Only [583]. Open [185, 559]. Operation [482].
Operations [184]. Operator [86, 510, 710, 450], Operator-Like [86].
Operatorial [622]. Optical [123, 530, 325, 298]. Optimal [644, 29, 449, 118, 596, 1, 17].
Options [603, 115, 316]. Optothermaoustic [107].
Orbit [507]. Orbits [443]. Order [430, 262, 412, 719, 105, 663, 529, 263, 246, 140, 290, 494, 444].
Organic [284]. Organization [512, 664]. Organizing [675].
Origami [542]. Orthotropic [93].
Oscillating [542, 141]. Oscillation [636].
Oscillations [117, 348, 120, 573]. Oscillator [650].
Outbreaks [593, 720]. Outgoing [112].
Output [347]. Ovarian [666]. Overturning [190].
Packham [494]. Paclitaxel [197, 456].
Pancreas [272]. Parabolic [228, 639, 351, 532, 581, 7, 222, 246, 506].
Parabolic-Elliptic [228]. Paradox [186].
Partial [35]. Particle [393, 53, 596, 410]. Particle-Laden [410].
Particles [131, 566, 644, 57, 128, 439].
Particulate [309, 190]. Partitioning [463].
Patchy [179]. Path [644, 363].
Path-Connected [644]. Pathogen [673].
Pathologies [466]. Pathways [248].
PDE-Assisted [346]. Péclet [668, 564].
Penalization [552]. Penalty [548].
Substrate [591]. Penetrable [319].
Pension [370]. Perfect [401, 615].
Perfectly [95]. Perforated [311].
Performance [598]. Period [404, 591, 715].
Periphery [403]. Permanence [305].
Permanent [491]. Permeabilities [571].
Permeability [584]. Permeable [379].
Permittivity [394]. Perovskite [482].
persist [307]. Persistence [98, 305, 277, 152, 150, 151, 458, 590].
Perturbation [624, 333, 688].
Phase [104, 416, 483, 97, 424, 616, 289, 58, 259, 71, 303, 487, 676, 609, 281, 713, 312, 442, 72, 315, 439, 445].
Phase-Field [445].
Phase-Shifts [104]. Phased [645].
Phaseless [645, 413]. Phase-locked [562].
Phenomena [289, 218]. Phenomenon [511].
Photoacoustic [516, 271, 595].
Photolithography [606]. Photonic [336].
Photovoltaic [377]. Physics [502].
Physiologic [343]. Physiological [345].
Phytoplankton [73]. Piecewise [93, 110, 80].
Piecewise-Orthotropic [93].
Piezoelectricity [287]. Pinch [170].
Pinch-Off [170]. Pinned [542, 602].
Planar [127, 517, 12, 91, 554, 269].
Plant [534, 249, 323, 304]. Plant-Herbivore [249].
Pneumatic [93]. Point [141, 576, 300, 462, 186, 538, 44, 636].
REFERENCES

[276]. versus [481, 351, 523]. Vertex [519].
Vertical [398, 43]. Vessels [397]. via [645, 364, 37, 659, 149, 491, 508, 347, 569].
Vibrating [266, 337]. Vibration [531].
Vibration-Assisted [531]. View [510].
Viral [200, 61, 49, 349, 330]. Viremia [330].
Virtual [636]. Virus [435, 162].
Virus-to-Cell [435]. Viscida [5].
Viscoelastic [467, 145]. Viscosities [571].
Viscosity [101]. Viscous [524, 397, 177, 181, 408, 30, 713, 322].
Voltage [18, 189]. Volterra [124, 415, 692].
Volume [613, 498, 235, 313, 652, 237, 192].
Vortex [517, 215]. Vorticity [362, 274].
Vries [138, 130].
Water [47, 46, 234, 552, 283, 45, 73, 667, 362, 587, 244, 43, 9, 690, 528]. Water-Wave [45, 244, 9].
Wave-Pinning [157]. Waveform [174].
Waveforms [653]. Wavefront [56, 207].
Wavefronts [67]. Waveguide [127, 129].
Waveguides [8, 185, 661]. Waves [213, 47, 46, 234, 524, 563, 585, 552, 409, 7, 236, 362, 485, 43, 537, 614, 579, 718, 709, 74, 166, 528, 314]. Wavetrain [690].
Weighted [659]. Well [177, 358, 184, 261, 136, 587, 696].
Well-Posedness [261, 136, 587, 177, 184].
Well-Targeted [696]. Wenzel [72, 705].
Within-Host [317]. Without [609, 243].
Wolbachia [428]. Woody [304].
Wormlike [257].
X [653, 164]. X-Ray [164]. X-Rays [653].
Yeast [682]. Yield [434]. Yielding [653].
Zones [662]. Zooplankton [625].

References


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Yang:2010:CSD


Ermentrout:2010:SDT


Gautesen:2010:DTD


Golovaty:2010:FRL


Liu:2010:DIO


Zou:2010:ASM


Sheng:2010:CTS


Li:2010:CSF


Szomolay:2010:AAR

REFERENCES


REFERENCES


Barg:2011:MEC


Flatten:2011:SEP


Ammari:2011:ISP


Atkinson:2011:RST


Blandin:2011:GPT


Angeli:2011:PRC


Wang:2011:NTD


REFERENCES


Kimura:2011:AFL


Bennetts:2011:WAT


Fikioris:2011:EUO


Rao:2011:ORA


Ambrosi:2011:ECC


Sample:2011:MCO


Costabel:2011:KMI


[129] Vu Hoang. The limiting absorption principle for a periodic semi-infinite waveguide. *SIAM Journal on Applied Mathe-


[137] Fadhel Al-Musallam and Amin Boumenir. Reconstruction of the refraction index in
REFERENCES


**Dubrovin:2011:NSB**


**Garibaldi:2011:ASR**


**Morzfeld:2011:TSO**


**Arabini:2011:RPS**


**Armbruster:2011:SCL**


**Spayd:2011:BLE**


**Petropavlovsky:2011:QLM**


[152] Stephen A. Gourley, Horst R. Thieme, and P. van den Driessche. Stability and persistence in a model for
REFERENCES


Lebensztayn:2011:LTG


Anderson:2011:PGA


Qesmi:2011:HBC


Popovic:2011:SCM


Han:2011:TFX


Wall:2011:IPM


Tsai:2011:TWB

REFERENCES


[188] Habib Ammari, Yves Capdeboscq, Frédéric de Gournay, Anna Rozanova-Pierrat, and Faouzi Triki. Microwave imaging by elastic deformation. *SIAM
REFERENCES


Yariv:2011:ICV


Sobral:2011:GOS


Repeke:2011:TAB


Negron-Marrero:2011:RVD


Dondl:2011:CEC


Nepomnyashchchy:2011:SSC


Minelli:2011:CDD

REFERENCES


Gang Huang, Xianming Liu, and Yasuhiro Takeuchi. Lyapunov functions and global stability for age-structured HIV infection model. *SIAM Journal on
REFERENCES


Tilley:2012:GDC


Izen:2012:SFD


Emami:2012:SSC


Fehrenbach:2012:GGP


Hunter:2012:SSD


Foster:2012:RIS


Mohler:2012:GPK


Dai:2012:ESS

Griffiths:2012:ATR


Shipman:2012:TRT


Ablowitz:2012:NWS


Guo:2012:GDG


Zemlyanova:2012:SSV


Sugie:2012:ULC


Ammari:2012:NSL


Starosvetsky:2012:SNB


Bauer:2012:MAA


[265] Qingwen Hu, Wieslaw Krawcewicz, and Janos Turi. Global stability lobes of turning processes with state-dependent
CODEN SMJMAP. ISSN 0036-1399 (print), 1095-712X (electronic).

[Ilin:2012:SSI]


[Freistuhler:2012:SLD]


[Bodmann:2012:SRA]


[Zemlyanova:2012:MCP]


[LeLouer:2012:FDE]


[Kirsch:2012:SRA]


[Huang:2012:MII]


[Ha:2012:BAU]


[Singh:2012:NBI]

Jitendra Singh. A new boundary integral formulation for stream function and vorticity in axisymmetric Stokes flow.


REFERENCES

Richardson:2013:ASM

Dai:2013:MIG

Kim:2013:EUB

Gales:2013:SSC

Wang:2013:FAC

Campillo-Funollet:2013:MSE

Muller:2013:GMA

Li:2013:VIS

Riva:2013:SPN
[292] Matteo Dalla Riva and Paolo Musolino. A singularly perturbed nonideal transmission problem and application to the


References


Cheng:2013:MCD

Yang:2013:FMR

Gardner:2013:SEE

Ceseri:2013:MMS

Zabarankin:2013:LSD

Lafitte-Godillon:2013:EPD

Bonnivard:2013:MCR

Bao:2013:MMO

Cai:2013:ACG


REFERENCES

Lin:2013:RFO

Rundell:2013:IEP

Balasuriya:2013:CUA

Magal:2013:TGI

Andersson:2013:AFS

Gottlich:2013:DCL

Turzi:2013:SAM

Figueiredo:2013:PPE

Jachalski:2013:SSL
REFERENCES


REFERENCES


[362] Calin Iulian Martin and Bogdan-Vasile Matioc. Existence of Wilton ripples for water waves with constant vorticity and capillary effects. SIAM Journal on Applied Mathematics, 73


REFERENCES


[388] Ehud Yariv and Dov Rhodes. Electrohydrodynamic drop deformation by strong
REFERENCES


Luigi C. Berselli, Francesca Guerra, Barbara Mazzolai, and Edoardo Sinibaldi. Pulsatile viscous flows in elliptical vessels and annuli: Solution to the inverse problem, with application

**Hermanns:2014:AAV**


**Bronski:2014:STD**


**Yang:2014:RCO**


**Kang:2014:CEF**


**Garvie:2014:IST**


**Rombach:2014:CPS**


**Cain:2014:SIF**


**Chen:2014:BDM**


**Calderer:2014:EMN**

M. C. Calderer, A. DeSimone, D. Golovaty, and A. Panchenko. An effective

Kim:2014:NFS


Guermond:2014:VRE


Dohnal:2014:TSW


Wang:2014:SSH


Alves:2014:LES


Bonilla:2014:HOA


Klibanov:2014:PIS


Buckwar:2014:ATM


Llibre:2014:GDL


**Asheim:2014:EUA**


**Panchenko:2014:DMF**


**Coatleven:2014:MMI**


**Faria:2014:SME**


**Kaiser:2014:AAT**


**Zhang:2014:HAS**


**Ferreira:2014:MMC**


**Liu:2014:CED**


**Calderer:2014:LCE**

REFERENCES


Han:2014:RTR


Bao:2014:NCE


Zheng:2014:MWS


Liu:2014:GBM


Albi:2014:SAF


Zigelman:2014:IES


Selen:2014:PFS


Gourley:2014:MMS

[433] Stephen A. Gourley and Yijun Lou. A mathematical model for the spatial spread and biocontrol of the Asian
REFERENCES


Li:2014:SWE


Lai:2014:MHV


Gibson:2014:CSL


Kang:2014:BSI


Fang:2014:SDA


Zeng:2014:PSD


Shklyaev:2014:OLM


Flores:2014:DDW


Mamode:2014:QSS

Guzzo:2014:ETV


Schneider:2014:HOM


Zhang:2014:PFM


Li:2014:MAT


Jazar:2014:DSI


Chirove:2014:ACL


Marck:2014:WOS


Plociniczak:2014:AEK

REFERENCES


[468] Amandine Aftalion and J. Frédéric Bonnans. Optimization of running strategies based on anaerobic energy and


REFERENCES

SMJMAP. ISSN 0036-1399 (print), 1095-712X (electronic).


Sunao Murashige and Wooyoung Choi. High-order Davies’ approximation for a solitary wave solution in Packham’s


REFERENCES


Jabin:2015:CMR


Vaidya:2015:AID


Lorig:2015:AEP


Bao:2015:GSD


Klibanov:2015:RDC


Lin:2015:CSN


Bagarello:2015:OVA


Huang:2015:GSS


Cristiani:2015:MRC

SMJMAP. ISSN 0036-1399 (print), 1095-712X (electronic).

Montiel:2015:EDW


Bressloff:2015:SA


Reigstad:2015:EUS


Frikkel:2015:AID


Bartsch:2015:CPV


Menacho:2015:CSS


Torres:2015:NA


Janssen:2015:NHT


Fan:2015:HMT

Morgan:2015:MMS

Hottovy:2015:TMR

Barker:2015:VHD

Li:2015:SCS

Boubendir:2015:RCF

Dobberschütz:2015:EBF

Wang:2015:MSN

Forestier-Coste:2015:DFS

Ammari:2015:MMF
[530] Habib Ammari, Elie Bretin, Pierre Millien, Laurent Seppecher, and Jin-Keun Seo. Mathematical modeling in full-field


A. Ghazaryan, S. Lafortune, and P. McLarnan. Stability analysis for combustion fronts traveling in hydraulically resistant porous media. SIAM
REFERENCES


Li:2015:QSC


Savina:2015:SCG


Brubaker:2015:TDC


Gosse:2015:LIA


Frank:2015:NBE


Fogelson:2015:FEP


Schmuck:2015:HPN


Perez-Alvarez:2015:RBT

REFERENCES

Tran:2015:PMG

Angstmann:2015:GCT

Tupper:2015:EDS

Ammari:2015:PDI

Constantin:2015:PMC

Cox:2015:RCC

Poll:2015:SMB

Gonzalez:2015:TST

Tittelitz:2015:ISP


REFERENCES

[Bertsch:2015:FLA]

[Tabak:2015:SRI]

[Sharma:2015:NTF]

[Muscato:2015:ETS]

[Aalto:2015:ISL]

[Lindstrom:2015:AAM]


Herschlag:2015:ESS


Choi:2015:CTW


Lin:2015:EFE


Monjarret:2015:LWP


Nicola:2015:ODP


Dijkstra:2015:DTQ


Li:2015:EPS


Fu:2015:AAP


Jiao:2015:DMT

REFERENCES

Bonaccorsi:2015:EON


Thorpe:2015:CMM


Sandbichler:2015:NCS


Saumier:2015:OTP


He:2015:MSR


Drew:2015:MTS


Fromion:2015:SMP


Stolerman:2015:SNM


Liu:2015:ISP

Makwana:2016:WMM


Guardasoni:2016:FNP


Ko:2016:PRS


Akbari:2016:SFE


Rondi:2016:VAI


Choquet:2016:DSD


Munnier:2016:DSM


Klibanov:2016:RPT


Adan:2016:STS


García-Cervera:2016:SPS


REFERENCES

Lee:2016:SIL

Lassas:2016:BEF

Bagarello:2016:ODD

Wang:2016:SBL

Glasner:2016:NSS

Kloosterman:2016:NMS

Hofbauer:2016:GSS

Yang:2016:NFH

Walton:2016:RSI
REFERENCES


REFERENCES


SMJMAP. ISSN 0036-1399 (print), 1095-712X (electronic).


REFERENCES


Bruno:2016:WGF


Halabi:2016:NQS


Lessinnes:2016:DSF


Wang:2016:DSA


Saccomandi:2016:LTA


Taylor:2016:SHO


Friedrich:2016:GRA


Rajan:2016:LSW


[709] P. Sprenger and M. A. Hoefer. Shock waves in dispersive hydrodynamics with
REFERENCES


