AUTHOR INDEX FOR VOLUME 95

AGRAWAL, S.; Coefficient estimates for some classes of functions associated	
with <i>q</i> -function theory	446
AIEMSOMBOON, L. and SINTUNAVARAT, W.; Two new generalised	
hyperstability results for the Drygas functional equation	269
ALAHMADI, A.; see SHI, M.	157
ALI, MD F. and VASUDEVARAO, A.; Logarithmic coefficients of some close-	
to-convex functions	228
ALSHAMMARI, N. A.; Mathematical modelling in nanotechnology using	
calculus of variations	350
ANDERSSEN, R. S.; see LOY, R. J.	121
ARNOLD, D. J.; Thin-film flow in helical channels	521
BALLESTER-BOLINCHES, A., BEIDLEMAN, J. C. and IALENTI, R.;	
Semipermutability in generalised soluble groups	219
BEIDLEMAN, J. C.; see BALLESTER-BOLINCHES, A.	219
BEN NASR, M. and ZEIDI, N.; When is the integral closure comparable to all	
intermediate rings	14
BETTADAPURA, K.; Obstruction theory for supermanifolds and deformations	
of superconformal structures	512
BOWMAN, D.; Holomorphic flexibility properties of spaces of elliptic	
functions	515
BRZDĘK, J. and WÓJCIK, P.; On approximate solutions of some difference	
equations	476
BUGEAUD, Y. and KIM, D. H.; On the expansions of real numbers in two	
multiplicatively dependent bases	373
CABRERA-SERRANO, A. M. and MENA-JURADO, J. F.; Structure topology	
and extreme operators	315
CARSTENS, C. J.; Topology of complex networks: models and analysis	347
CASNATI, G.; Rank two stable Ulrich bundles on anticanonically embedded	
surfaces	22
CHANG, S. J. and CHOI, J. G.; A representation for the inverse generalised	
Fourier–Feynman transform via convolution product on function space	424
CHARAK, K. S. and SHARMA, S.; Some normality criteria and a counter-	
example to the converse of Bloch's principle	238
CHOI, CK.; see CHUNG, J.	260
CHOI, J. G.; see CHANG, S. J.	424
CHRISTENSEN, O., KIM, H. O. and KIM, R. Y.; Characterisations of partition	
of unities generated by entire functions in \mathbb{C}^{a}	281
CHUNG, J., CHOI, CK. and CHUNG, SY.; On the real-valued general	
solutions of the d'Alembert equation with involution	260
CHUNG, SY.; see CHUNG, J.	260
COONS, M. and TACHIYA, Y.; Transcendence over meromorphic functions	393

DE GIOVANNI, F. and TROMBETTI, M.; A note on groups whose proper large	
subgroups have a transitive normality relation	38
DE HOOG, F. R.; see LOY, R. J.	121
DENG, MJ. and HUANG, DM.; A note on Jeśmanowicz' conjecture	
concerning primitive Pythagorean triples	5
DING, L.; Regression clustering using Gibbs sampler and optimal cluster	
number estimation	516
DRAGOMIR, S. S.; Operator quasilinearity of some functionals associated with	
Davis-Choi-Jensen's inequality for positive maps	322
DRAGOMIR, S. S.; see HWANG, DY.	412
DUNG, N. V. and HANG, V. T. L.; Best proximity point theorems for cyclic	
quasi-contraction maps in uniformly convex Banach spaces	149
EZZATI, S.; Reliability-based design optimisation methods in large-scale	
systems	172
FANG, X. and NI, Q.; A new derivative-free conjugate gradient method for	
large-scale nonlinear systems of equations	500
FENG, J.; see SHI, M.	157
FRANCE-JACKSON, H.; see WAHYUNI, S.	214
GABRIYELYAN, S. S. and MORRIS, S. A.; On varieties of abelian topological	
groups with coproducts	54
GAO, J.; see SHI, M.	157
GRZEŚKOWIAK, M.; Explicit zero-counting theorem for Hecke-Landau	
zeta-functions	400
GUO, H.; see HUO, S.	66
HANG, V. T. L.; see DUNG, N. V.	149
HATTAB, H.; Positive almost periodic solutions for the hematopoiesis model	
via the Hilbert projective metric	84
HE, J.; Detecting and modelling serial dependence in nongaussian and nonlinear	
time series	169
HUANG, DM.; see DENG, MJ.	5
HUANG, X. and TAN, D.; Mappings of conservative distances in <i>p</i> -normed	
spaces $(0$	291
HUO, S., WU, S. and GUO, H.; Polygonal quasiconformal mappings and	
chord-arc curves	66
HWANG, DY. and DRAGOMIR, S. S.; Extensions of the Hermite–Hadamard	
inequality for <i>r</i> -preinvex functions on an invex set	412
IALENTI, R.; see BALLESTER-BOLINCHES, A.	219
KAČINSKAITĖ, R. and MATSUMOTO, K.; Remarks on the mixed joint	
universality for a class of zeta functions	187
KHAN, M. ALI and RAJAN, A. V.; On the eventual periodicity of piecewise	
linear chaotic maps	467
KIM, D. H.; see BUGEAUD, Y.	373
KIM, H. O.; see CHRISTENSEN, O.	281

KIM, R. Y.; see CHRISTENSEN, O.	281
KOŁODZIEJCZYK, K. and SAŁAPATA, R.; Algebraic and geometric	
properties of lattice walks with steps of equal length	338
KONG, Y. and LIU, Z.; On pairs of Goldbach–Linnik equations	199
KOO, J. K., SHIN, D. H. and YOON, D. S.; Normal bases for modular function	
fields	384
KOZLOWSKI, W. M.; A purely metric proof of the Caristi fixed point theorem	333
LELIS, J. and MARQUES, D.; On a problem of Erdös and Mahler concerning	
continued fractions	183
LEVY-MOORE, L., NICHOLS, M. and WESTON, A.; Comparing the	
generalised roundness of metric spaces	299
LI, B. and YANG, H.; The modified quantum Wigner system in weighted	
L^2 -space	73
LI, HX.; see TANG, CH.	482
LI, Y. and YU, JT.; Fixed elements of noninjective endomorphisms of	
polynomial algebras in two variables	209
LING, DR.; A note on asymptotic nonbases	1
LIU, F.; A remark on the regularity of the discrete maximal operator	108
LIU, Z.; see KONG, Y.	199
LOY, R. J., DE HOOG, F. R. and ANDERSSEN, R. S.; Convergence in	
relaxation spectrum recovery	121
LUCA, F. and STĂNICĂ, P.; Monotonic phinomial coefficients	365
MADRID, J.; Sharp inequalities for the variation of the discrete maximal	
function	94
MARQUES, D.; see LELIS, J.	183
MATSUMOTO, K.; see KAČINSKAITĖ, R.	187
MENA-JURADO, J. F.; see CABRERA-SERRANO, A. M.	315
MENG, Q.; Haagerup property for C^* -crossed products	144
MICHALSKA, M. and MICHALSKI, A. M.; A generalisation of the Clunie-	
Sheil-Small theorem II	457
MICHALSKI, A. M.; see MICHALSKA, M.	457
MOKHTAR, H.; A few families of Cayley graphs and their efficiency as	
communication networks	518
MOLNÁR, L.; A characterisation of central elements in C*-algebras	138
MOORS, W. B. and WHITE, S. J.; An elementary proof of James'	
characterisation of weak compactness. II	133
MORRIS, S. A.; see GABRIYELYAN, S. S.	54
NI, Q.; see FANG, X.	500
NICHOLS, M.; see LEVY-MOORE, L.	299
PATTERSON, S.; Optimising the operational energy efficiency of an open-pit	
coal mine system	174
PELLEGRINI, M. A.; The (2, 3)-generation of the special linear groups over	
finite fields	48

RAJAN, A. V.; see KHAN, M. ALI	467
ROTH, J.; A DDVV inequality for submanifolds of warped products	495
SAŁAPATA, R.; see KOŁODZIEJCZYK, K.	338
SCHRADER, P. J.; Global analysis of one-dimensional variational problems	167
SHARMA, S.; see CHARAK, K. S.	238
SHI, M., FENG, J., GAO, J., ALAHMADI, A. and SOLÉ, P.; On the support	
weight distribution of linear codes over the ring $\mathbb{F}_p + u\mathbb{F}_p + \cdots + u^{d-1}\mathbb{F}_p$	157
SHIN, D. H.; see KOO, J. K.	384
SINTUNAVARAT, W.; see AIEMSOMBOON, L.	269
SOLÉ, P.; see SHI, M.	157
SONPANOW, N. and VEJJAJIVA, P.; A finite-to-one map from the	
permutations on a set	177
STĂNICĂ, P.; see LUCA, F.	365
TACHIYA, Y.; see COONS, M.	393
TAN, D.; see HUANG, X.	291
TANG, CH. and LI, HX.; The connection between pseudo almost periodic	
functions defined on time scales and on the real line	482
THOMAS, D. K. and VERMA, S.; Invariance of the coefficients of strongly	
convex functions	436
TROMBETTI, M.; see DE GIOVANNI, F.	38
TUYÉRAS, R.; Sketches in higher category theory	164
VASUDEVARAO, A.; see ALI, MD F.	228
VEJJAJIVA, P.; see SONPANOW, N.	177
VERMA, S.; see THOMAS, D. K.	436
WAHYUNI, S., WIJAYANTI, I. E. and FRANCE-JACKSON, H.; A prime	
essential ring that generates a special atom	214
WANG, L.; Arithmetic properties of (k, ℓ) -regular bipartitions	353
WATSON, T. M.; On aspects of numerical ergodic theory: stability of Ulam's	
method, computing Oseledets subspaces and optimal mixing	165
WESTON, A.; see LEVY-MOORE, L.	299
WHITE, S. J.; see MOORS, W. B.	133
WIJAYANTI, I. E.; see WAHYUNI, S.	214
WÓJCIK, P.; see BRZDĘK, J.	476
WU, S.; see HUO, S.	66
YANG, H.; see LI, B.	73
YATIGAMMANA, R. P.; Advancement of autoregressive conditional duration	
models involving liquidity and price dynamics	523
YOON, D. S.; see KOO, J. K.	384
YU, JT.; see LI, Y.	209
YUAN, C. and ZHOU, ZH.; The Hilbert-Schmidt norm of a composition	
operator on the Bergman space	250
ZEIDI, N.; see BEN NASR, M.	14
ZHOU, ZH.; see YUAN, C.	250

INFORMATION FOR AUTHORS

The *Bulletin of the Australian Mathematical Society* aims at quick publication of original research in all branches of mathematics. To ensure speedy publication, only articles which are sufficiently well presented, able to be published without revision, and which are judged by the Editor (often in consultation with an Associate Editor) to be competitive are refereed. This policy is in the interests of authors, as a quick rejection is better than a slow rejection. The *Bulletin* receives more than five times the material that can be published, therefore there are many commendable papers not accepted. Editorial decisions on acceptance or otherwise are taken quickly, normally within a month of receipt of the paper. Papers are accepted only after peer review.

Manuscripts are accepted for review with the understanding that the same work is not concurrently submitted elsewhere. For a paper to be acceptable for publication, not only should it contain new and interesting results, but also

- (i) the exposition should be clear and attractive, and
- (ii) the manuscript should be in publishable form, without revision.

Further information regarding these requirements may be found through our website www.austms.org.au/Bulletin. Authors are asked to avoid, as far as possible, the use of mathematical symbols in the title.

Articles should be prepared in LATEX using \mathcal{PMS} -LATEX packages and submitted as a PDF file via our journal management system, at www.austms.org.au/Publications/Submissions/BAustMS. This permits authors to track their papers through the editorial process. Recent versions of TEX are able to produce PDF files directly. A LATEX class file for the *Bulletin* can be downloaded from the website. Authors who need assistance may email the secretary of the *Bulletin* at editor@bulletin.austms.org.au.

Authors are advised to keep copies of all files of the submitted article; the *Bulletin* will not accept responsibility for any loss.

EDITORIAL POLICY

1. References. Arrange references alphabetically (by surname of the first author) and cite them numerically in the text. Ensure the accuracy of the references: authors' names should appear as in the work quoted. Include in the list of references only those works cited, and avoid citing works which are in preparation or submitted. Where the work cited is not readily accessible (for example, a preprint) a copy of the article should be included with your submission.

2. Abstracts.

- 1. Each paper must include an abstract of not more than 150 words, which should contain a brief but informative summary of the contents of the paper, but no inessential details.
- 2. The abstract should be self-contained, but may refer to the title.
- 3. Specific references (by number) to a section, proposition, equation or bibliographical item should be avoided.

3. Subject Classification and Key Words. Authors should include a few key words and phrases and one or more classification numbers, following the American Mathematical Society 2010 Mathematics Subject Classification for all codes. Details of this scheme can be found on the web at www.ams.org/msc.

4. Abstracts of PhD Theses. The *Bulletin* endeavours to publish abstracts of all accepted Australasian PhD theses in mathematics. One restriction, however, is that the abstract must be received by the Editor within six months of the degree being approved.



This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organisation established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

Table of Contents

Arithmetic properties of (k, ℓ) -regular bipartitions	
Wang, L.	353
Monotonic phinomial coefficients	
Luca, F. & Stämcä, P.	365
On the expansions of real numbers in two multiplicatively dependent bases Bugeaud, X , \mathfrak{C} Kim, D. H.	373
Normal bases for modular function fields Koo, J. K., Shin, D. H. & Yoon, D. S.	384
Transcendence over meromorphic functions Comy M ଝି Tachiya Y	393
Explicit zero-counting theorem for Hecke-Landau zeta-functions	
Grześkowiak, M.	400
Extensions of the Hermite-Hadamard inequality for <i>r</i> -preinvex functions on an invex set Hwang, DY. & Dragomir, S. S.	412
A representation for the inverse generalised Fourier-Feynman transform via convolution product	
on function space	
Chang, S. J. & Choi, J. G.	424
Invariance of the coefficients of strongly convex functions	
Thomas, D. K. & Verma, S.	436
Coefficient estimates for some classes of functions associated with q-function theory	
Agrawal, S.	446
A generalisation of the Clunie–Sheil-Small theorem II Michalska, M. & Michalski, A. M.	457
On the eventual periodicity of piecewise linear chaotic maps	
Khan, M. Ali & Rajan, A. V.	467
On approximate solutions of some difference equations Brzdęk, J. & Wújcik, P.	476
The connection between pseudo almost periodic functions defined on time scales and on the	
real line	
Tang, CH. & Li, HX.	482
A DDVV inequality for submanifolds of warped products Roth, 7.	495
A new derivative-free conjugate gradient method for large-scale nonlinear systems of equations	
Fang, X. & Ni, Q.	500
Abstracts of PhD Theses	
Obstruction theory for supermanifolds and deformations of superconformal structures	
Bettadapura, K.	512
Holomorphic flexibility properties of spaces of elliptic functions Boreman, D.	515
Regression clustering using Gibbs sampler and optimal cluster number estimation	-10
Ding, L. A few families of Cayley graphs and their efficiency as communication networks	516
Mokhtar, H.	518
Thin-film flow in helical channels Arnold, D. J.	521
Advancement of autoregressive conditional duration models involving liquidity and price	
dynamics	
Yatigammana, R. P.	523
Author Index for Volume 95	525

Cambridge Core For further information about this journal please go to the journal website at: cambridge.org/baz



