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Title word cross-reference

\((\nu, \mu, s, 1 - \sigma)\) [3029]. \(-1\) [1754]. 0 [1255]. 1
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[177, 316, 384, 486, 593, 600, 658, 742, 769, 823, 865, 1174, 1260, 1310, 1658, 1748, 1779, 2002, 2252, 2581, 2583, 2597, 2644]. 3
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$\{1426, 1669, 1866, 2072\}$. $L_\infty$ [736]. $M \{110, 2633\}$. $M_1 \{625\}$. $M_2 \{1793\}$. $R^2$
$\{2640\}$. $H^1 \{2890\}$. $L^2(\Omega) \{3129\}$. $H \{1476, 2302\}$. $L_\infty \{998\}$. $M \{1653, 1970, 2171\}$. $O(N \log N)$ [1218]. $N \{199, 621, 1611, 2557\}$. $n^+ - n^- - n^0$
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$\{1490\}$. $P_m \{1064, 1165, 1371, 1659, 2385\}$. $P_N \{976\}$. $P_N P_M \{1107, 1329, 2751\}$. $Q_1 \{2835\}$. $Q_4 \{181\}$. $q_d \{2080\}$. $R^2 \{978\}$. $R^n \{998\}$. $SO(3)$ [2024]. $\theta$
$\{576\}$. $V \{1997\}$. $\bar{H} \{2749\}$. $x^{(k)} = b^{(k)}$ [629]. $Z \{2497\}$. $Z_2 \{933\}$. $\bar{H}$ [2749]. $x^{(k)} = b^{(k)}$ [629]. $Z \{2497\}$. $Z_2 \{933\}$.
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2083,2152,2226,2333,2393,2395,2514,2727,2756,2771,2786,2926,2931,
2950,2983,3018,3164]. Phase-Change [2393]. Phase-Field
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Phenomenological [73]. Phenomenon [429,901,1474]. Phonon [1359],
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2744,2791,2885,3063]. Piecewise-Smooth [1782]. Piezoelectric
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1677,1894,2020,2209,2210,2466,2594,2740,2808,2820,2841,3019,3140].
Planck [7]?NavierHe:2021:MFE. Plane [856,2414,2641]. Plane-Wave
[2414]. Planets [3107]. Planning [3033]. Plasma [575,797,1059,1111,1311,
1507,3078]. Plasmas [2211]. Plasmon [2156]. Plate [8,112,337,438,967,1398,
1571,2062,2126,2129,2836,2883,3065,3083]. Plates [547,1435,1720,1729,2268].
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[660,1117]. Point [606,686,703,785,791,833,836,855,924,977,1130,1290,
1262,1334,1450,1457,1609,1669,1717,1743,1747,1781,1908,1989,2116,2119,
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3007,3013,3032,3059,3114,3166]. Point-Source [1609]. Point-Value [833].
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Quadratic [119, 860, 1114, 1649, 1740, 1974, 2405, 2616, 2857, 3028, 3090]. Quadratically [2171].


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[1041, 2035]. Redistancing

[1394]. Redistribution [659, 1151]. Reduced

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[277, 843, 1591, 1962, 2792]. Reducing

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[20, 415, 1308, 1366, 1493, 1580, 2060, 2080, 2095, 2108, 2448, 2449, 2616, 2881, 2971, 3014, 3077]. Reference

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[2138]. Refinement

[371, 693, 792, 1213, 1384, 1543, 1895, 2296, 2483]. Reflection

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[2162, 3166]. WSGD-OSC [2162].


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References


REFERENCES


REFERENCES


REFERENCES


Reuven:1987:SAO


Hariharan:1987:WET


Ronquist:1987:SEM


Reyna:1988:ECC


Yakhot:1988:CTR


Buning:1988:SEG


Greenberg:1988:SRF


Saetre:1988:DSG


Somuah:1988:CMT


Maday:1988:SEM


Christodoulou:1988:FLM


She:1988:SDI

REFERENCES


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REFERENCES


[Goldenfeld:1989:IAR]


[Kida:1990:EBD]


[Chiang:1990:PMC]


[Ehrenstein:1990:SCF]


Yakhot:1990:PTP


Gottlieb:1990:QIC


Orszag:1990:IMS


O'Neal:1990:OFE


Maday:1990:OIF

Y. Maday, Anthony T. Patera, and Einar M. Ronquist. An operator-integration-factor splitting method for time-dependent problems: Appli-


REFERENCES


REFERENCES


REFERENCES


[105] Yih Nen Jeng and Yuan Chang Liou. A new adaptive grid
generation by elliptic equations with orthogonality at all of the
1992. CODEN JSCOE. ISSN 0885-7474 (print), 1573-7691
BF01060211; http://link.springer.com/content/pdf/10.1007/
BF01060211; http://www.springerlink.com/openurl.asp?genre=
article&issn=0885-7474&volume=7&issue=1&page=63-80.

[106] Bahrom B. Sanugi. An iterative multistep formula for solving ini-
March 1992. CODEN JSCOE. ISSN 0885-7474 (print), 1573-
1007/BF01060212; http://link.springer.com/content/pdf/10.
1007/BF01060212; http://www.springerlink.com/openurl.asp?
genre=article&issn=0885-7474&volume=7&issue=1&page=81-94.

[107] Wilhelm Heinrichs. A stabilized multidomain approach for singu-
95–125, June 1992. CODEN JSCOE. ISSN 0885-7474 (print), 1573-
1007/BF01059944; http://link.springer.com/content/pdf/10.
1007/BF01059944; http://www.springerlink.com/openurl.asp?
genre=article&issn=0885-7474&volume=7&issue=2&page=95-125.

grid solvers for flow simulation in porous media on distributed mem-
162, June 1992. CODEN JSCOE. ISSN 0885-7474 (print), 1573-
1007/BF01059945; http://link.springer.com/content/pdf/10.
1007/BF01059945; http://www.springerlink.com/openurl.asp?
genre=article&issn=0885-7474&volume=7&issue=2&page=127-162.

174, June 1992. CODEN JSCOE. ISSN 0885-7474 (print), 1573-
REFERENCES


Dattoli:1992:ANR


Berger:1992:HGM


Yakhot:1992:AQT


Whang:1992:NAC

REFERENCES


REFERENCES


Ioffe:1993:AAP


Succi:1993:SSD


Qian:1993:STL


Parker:1993:SAD
REFERENCES


REFERENCES


REFERENCES


REFERENCES


Mehrabi:1995:PIF


Trayner:1995:NTS


Miller:1995:SSS


Schumann:1995:PST

Konstantinov:1995:ELP


Joslin:1995:SPS


Hosokawa:1995:CFS


Pasquarelli:1995:SMA

REFERENCES

Gomez-Valdes:1995:MPP


Geer:1995:RTA


Shu:1995:NAS


Dettori:1995:NGM


Yang:1995:MRA

[176] Sang Kyu Yang and Charlie H. Cooke. Multi-resolution analysis on the interval with natural spline projection and uniform two-

Kukharkin:1995:CSF


Manoranjan:1996:SIP


Sukoriansky:1996:LES


Yavneh:1996:MSS

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[218] V. A. Zheligovsky and O. M. Podvigina. An optimized iterative method for numerical solution of large systems of equations based on the ex-
REFERENCES


REFERENCES


REFERENCES

Gottlieb:1998:MCG


Bickham:1998:TMP


Jaberi:1998:EHR


Konstantinov:1998:RGBa


Speziale:1998:CLE


REFERENCES


REFERENCES


REFERENCES


Lether:1999:TRI


Heinrichs:1999:SAT


Guo:1999:FLL


Kvernadze:1999:LDB

[256] George Kvernadze, Thomas Hagstrom, and Henry Shapiro. Locating discontinuities of a bounded function by the partial sums of its


REFERENCES


REFERENCES


[280] Bengt Eliasson. Outflow boundary conditions for the Fourier transformed one-dimensional Vlasov–Poisson system. *Journal of Sci-
REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Ruuth:2002:TBS]


[Schonauer:2002:HOM]


[Schwartzkopf:2002:AHO]


[Kress:2002:DCM]


[Furst:2002:ASO]
REFERENCES


[323] Stefano Berrone and Laurent Emmel. Towards a realization of a wavelet Galerkin method on non-trivial domains. Journal of Scien-
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Schroll:2002:HRR


Titarev:2002:AAH


Wilhelm:2002:ASE


Stefanica:2002:FFD


Weill:2002:SGF


REFERENCES


REFERENCES


REFERENCES

Bertalmio:2003:TBI


Cheng:2003:CSA


Duraisamy:2003:CAT


Esmaeeli:2003:CEB


Gibou:2003:LSA

REFERENCES


REFERENCES


Sebastian:2003:MWF


Smereka:2003:SIL


Steinhoff:2003:CCV


Sussman:2003:DSE

REFERENCES


REFERENCES


Chehab:2004:TES


Pennacchio:2004:MFE


Sjogreen:2004:MWB


Luong:2004:AMG


REFERENCES


Kabakian:2004:UGB


Gelb:2004:POR


Anonymous:2004:EAM


Bouchut:2004:AES


REFERENCE


REFERENCES


REFERENCES


REFERENCES

Anonymous:2005:F


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Higueras:2005:MRK


Tang:2005:P


Feng:2005:PEE


Walkley:2005:FES

Miller:2005:SMF


Wang:2005:EAM


Tourigny:2005:OMF


Madzvamuse:2005:MGF


Gottlieb:2005:HOS


Pareschi:2005:IER


Carpenter:2005:FOR

REFERENCES


REFERENCES


Adams:2005:MFE


Wihler:2005:PEA


Li:2006:HOC


Leriche:2006:NEA

REFERENCES


Sengupta:2006:HAS


Koko:2006:UCG


Feng:2006:AFE


Schroll:2006:BHF


[520] Z. Belhachmi, C. Bernardi, S. Deparis, and F. Hecht. An efficient discretization of the Navier–Stokes equations in an axisym-


Gottlieb:2006:OSS


Guo:2006:OSG


Kurganov:2006:ACU


Leriche:2006:DNS


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[565] Sigal Gottlieb, David Gottlieb, and Chi-Wang Shu. Recovering high-order accuracy in WENO computations of steady-state hyperbolic sys-


REFERENCES

Lax:2006:GP


Maday:2006:SAS


Orszag:2006:TEK


Ryabenkii:2006:MDP

REFERENCES


REFERENCES


Morgan:2006:POG


Suhov:2006:SMT


Bertoluzza:2006:IMM


Goujot:2006:BWC


Chen:2006:PSF

REFERENCES


Liu:2006:LSF


Nordstrom:2006:CFD


Bokanowski:2007:ADS

REFERENCES


REFERENCES


[600] Matthias K. Gobbert, Samuel G. Webster, and Timothy S. Cale. A Galerkin method for the simulation of the transient 2-D/2-D and 3-D/
REFERENCES


REFERENCES


Han Chen, Chohong Min, and Frédéric Gibou. A supra-convergent finite difference scheme for the Poisson and heat equations on ir-


REFERENCES


REFERENCES


Kloucek:2007:ACB


Diener:2007:OHO


Ohmori:2007:FFF


Lorcher:2007:DGS

REFERENCES


REFERENCES


REFERENCES

221


REFERENCES


REFERENCES


REFERENCES


[703] Houde Han, Zhongyi Huang, and R. Bruce Kellogg. A tailored finite point method for a singular perturbation problem on an un-
gust 2008. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (elec-
tronic). URL http://link.springer.com/article/10.1007/s10915-
008-9187-7; http://link.springer.com/content/pdf/10.1007/

[704] Rong Zhang, Zhong qing Wang, and Ben yu Guo. Mixed Fourier–
Laguerre spectral and pseudospectral methods for exterior problems us-
(2):263–283, August 2008. CODEN JSCOEB. ISSN 0885-7474 (print),

[705] Hongxia Li, Zhigang Wang, and De kang Mao. Numerically neither dis-
sipative nor compressive scheme for linear advection equation and its
application to the Euler system. *Journal of Scientific Computing*, 36
(3):285–331, September 2008. CODEN JSCOEB. ISSN 0885-7474 (print),

[706] Adi Ditkowski, Abhinav Bhandari, and Brian W. Sheldon. Com-
puting derivatives of noisy signals using orthogonal functions expan-
2008. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (elec-
tronic). URL http://link.springer.com/article/10.1007/s10915-
008-9193-9; http://link.springer.com/content/pdf/10.1007/

[707] Chun-Hao Teng, Bang-Yan Lin, and Hung-Chun Chang. A Legen-
dre pseudospectral penalty scheme for solving time-domain Maxwell’s


REFERENCES


REFERENCES


REFERENCES


[733] Qiang Zhang and Zi-Long Wu. Numerical simulation for porous medium equation by local discontinuous Galerkin finite element


Tone:2009:LTS


Klar:2009:SLM


Glaser:2009:NCH


Cole:2009:SRB

REFERENCES


REFERENCES


REFERENCES

http://link.springer.com/article/10.1007/s10915-008-9258-9;
http://link.springer.com/content/pdf/10.1007/s10915-008-9258-9;
issn=0885-7474&volume=39&issue=2&spage=206-221.

to price European options. I. Single asset with and without jump
2009. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (elec-
tronic). URL http://link.springer.com/article/10.1007/s10915-
008-9267-8; http://link.springer.com/content/pdf/10.1007/
s10915-008-9267-8; http://www.springerlink.com/openurl.asp?

[756] Rodrigo B. Platte and Anne Gelb. A hybrid Fourier–Chebyshev method
(2):244–264, May 2009. CODEN JSCOEB. ISSN 0885-7474 (print),
1007/s10915-008-9264-y; http://link.springer.com/content/
pdf/10.1007/s10915-008-9264-y; http://www.springerlink.com/
openurl.asp?genre=article&issn=0885-7474&volume=39&issue=2&
spage=244-264.

[757] Tommy L. Binford, Jr., David P. Nicholls, and Nilima Nigam. Exact
non-reflecting boundary conditions on perturbed domains and hp-
2009. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (elec-
tronic). URL http://link.springer.com/article/10.1007/s10915-
008-9263-z; http://link.springer.com/content/pdf/10.1007/
s10915-008-9263-z; http://www.springerlink.com/openurl.asp?

[758] Jun Zhu and Jianxian Qiu. Hermite WENO schemes and their appli-
cation as limiters for Runge–Kutta discontinuous Galerkin method, III:
May 2009. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (elec-
tronic). URL http://link.springer.com/article/10.1007/s10915-
009-9271-7; http://link.springer.com/content/pdf/10.1007/
Zhu:2009:SEA


Tang:2009:CTL


El-Amrani:2009:SSS


Ditkowski:2009:HOE

REFERENCES


[767] Susanne C. Brenner, Thirupathi Gudi, and Li yeng Sung. A posteriori error control for a weakly over-penalized symmetric interior


REFERENCES


REFERENCES


[780] Yan Xu and Chi-Wang Shu. Local discontinuous Galerkin method for surface diffusion and Willmore flow of graphs. *Journal of
Zhu:2009:ADG


Abarbanel:2009:LTP


Jung:2009:EPD


Sarra:2009:EDF

Hughes:2009:BLA


Zhang:2009:SDG


Kupiainen:2009:CEB


Rahunanthan:2009:SIC


[793] Liang Ge, Wenbin Liu, and Danping Yang. Adaptive finite element approximation for a constrained optimal control problem via multi-


REFERENCES

http://link.springer.com/content/pdf/10.1007/s10915-009-9300-6;

asymptotically stable semi-Lagrangian scheme in the quasi-neutral
2009. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (elec-
tronic). URL http://link.springer.com/article/10.1007/s10915-
009-9302-4; http://link.springer.com/content/pdf/10.1007/
s10915-009-9302-4; http://www.springerlink.com/openurl.asp?
genre=article&issn=0885-7474&volume=41&issue=3&page=341-365.

Mattsson:2009:SBT

[799] Ken Mattsson, Frank Ham, and Gianluca Iaccarino. Stable bound-
ary treatment for the wave equation on second-order form. *Jour-
DEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (electronic). URL
http://link.springer.com/content/pdf/10.1007/s10915-009-9305-
1; http://www.springerlink.com/openurl.asp?genre=article&

Jung:2009:FVA

[800] Chang-Yeol Jung and Roger Temam. Finite volume approxima-
tion of one-dimensional stiff convection–diffusion equations. *Jour-
DEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (electronic). URL
http://link.springer.com/content/pdf/10.1007/s10915-009-9304-
2; http://www.springerlink.com/openurl.asp?genre=article&
issn=0885-7474&volume=41&issue=3&page=384-410.

Xiang:2009:SOI

[801] Ming Xiang, Shaozhong Deng, and Wei Cai. A sixth-order im-
age approximation to the ionic solvent induced reaction field. *Jour-
DEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (electronic). URL
http://link.springer.com/content/pdf/10.1007/s10915-009-9307-
REFERENCES


[810] Adrian Sescu, Abdollah A. Afjeh, Ray Hixon, and Carmen Sescu. Conditionally stable multidimensional schemes for advective equa-


REFERENCES


[827] Pengtao Sun, Long Chen, and Jinchao Xu. Numerical studies of adaptive finite element methods for two dimensional convection-
REFERENCES


REFERENCES


REFERENCES


Yasuda:2010:TPS


Celiker:2010:HDG


Wise:2010:USF


Yang:2010:NAA


[861] D. Sármány, F. Izsák, and J. J. W. van der Vegt. Optimal penalty parameters for symmetric discontinuous Galerkin discretisations of the time-


REFERENCES


Goldstein:2010:GAS


Gunzburger:2010:ANS


Ilyevsky:2010:SCA


Jameson:2010:PSS


[Jung:2010:RHO]


[Karni:2010:HAB]


[Li:2010:CDG]


[Lin:2010:PMN]

[887] Hanieh Mirzaee, Jennifer K. Ryan, and Robert M. Kirby. Quantification of errors introduced in the numerical approximation and

Nicholls:2010:BPM


Viswanathan:2010:RNU


Xiong:2010:FSF


Qiao:2011:SEA

REFERENCES


Antonietti:2011:CDD


Wihler:2011:DGM


Yokoi:2011:NMI


Gong:2011:MFE


Filbet:2011:APS


REFERENCES


Vohralík:2011:GFR


Karunatillake:2011:RSS


Marinov:2011:CLB


Wang:2011:LBM


Llanas:2011:EDA

REFERENCES


Zhang:2011:PEM


Chen:2011:CRM


Yilmaz:2011:IPL


Motamed:2011:LSF


REFERENCES


REFERENCES


[943] E. D. Fernández-Nieto, M. J. Castro Díaz, and C. Parés. On an intermediate field capturing Riemann solver based on a parabolic...
REFERENCES


REFERENCES


REFERENCES


Ye:2011:NMB


delSastre:2011:EAF


Abbas:2011:FOH


Simpson:2011:SWB


REFERENCES

Nguyen-Ba:2012:SSP


Awanou:2012:TRR


Cai:2012:ENX


Kesserwani:2012:LLF


Wu:2012:ALM

[986] Chunlin Wu, Juyong Zhang, Yuping Duan, and Xue-Cheng Tai. Augmented Lagrangian method for total variation based image restora-
REFERENCES

Kormann:2012:DSS

Deparis:2012:SRB

Laminie:2012:DPP

Hahn:2012:ALM
REFERENCES


Hundsdorfer:2012:SRB


Dede:2012:RBM


Alexanderian:2012:MSP


Kozdon:2012:IWF


REFERENCES


Ratnani:2012:AHO


Zhang:2012:FDL


Chabaud:2012:HIE


Gelb:2012:REA

REFERENCES


Lui:2012:EOS


Zhang:2012:ENS


Yuan:2012:ADM


Zhou:2012:GMS


REFERENCES


REFERENCES


[1045] Fatih Celiker, Li Fan, Sheng Zhang, and Zhimin Zhang. Locking-


REFERENCES


REFERENCES


D. Boffi:2012:LMC


Harish Kumar:2012:ESN


Jun Hu:2012:HAP


Dietrich:2012:PUM


Chen:2012:NSE


Feng:2012:NQF

REFERENCES


REFERENCES


See erratum [1095].


REFERENCES


REFERENCES


[1091] Ziqing Xie, Xianjuan Li, and Tao Tang. Convergence analysis of spectral Galerkin methods for Volterra type integral equa-
Li:2012:FPI


Zhang:2012:DDS


Chun:2012:EMM


Medvinsky:2012:EMD

REFERENCES


[1108] Sangita Yadav, Amiya K. Pani, and Neela Nataraj. Superconvergent discontinuous Galerkin methods for linear non-selfadjoint and indefinite


[1117] G. Ariel, B. Engquist, S. Kim, Y. Lee, and R. Tsai. A multiscale method for highly oscillatory dynamical systems using a Poincaré map type...


References

Kostić:2013:SDE


Ji:2013:NON


Langer:2013:BDD


Liang:2013:REI


Liu:2013:RRU


REFERENCES


REFERENCES


REFERENCES


Bi:2013:PEE


Abreu:2013:NMD


Chen:2013:RCM


Brenner:2013:AFE


Tang:2013:HOC

Tao Tang, Hehu Xie, and Xiaobo Yin. High-order convergence of spectral deferred correction methods on general quadrature nodes.

[1166] Tao Tang, Hehu Xie, and Xiaobo Yin. High-order convergence of spectral deferred correction methods on general quadrature nodes.
Antonietti:2013:MDE


Constantinescu:2013:EMM


Zhou:2013:QCF


Fang:2013:OLD


REFERENCES


REFERENCES


Yan:2013:ELR


Qi:2013:WCF


Martin:2013:PTR


Chen:2013:FFG


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Williams:2014:EES


Hu:2014:SNN


Ervin:2014:ASD


Baccouch:2014:LDGa


REFERENCES


REFERENCES


REFERENCES

Suhov:2014:APA


Liu:2014:RAG


Xiao:2014:NBB


Zhang:2014:MSD


Ghosh:2014:WNL

[1320] Debojyoti Ghosh and James D. Baeder. Weighted non-linear compact schemes for the direct numerical simulation of compressible, turb-


REFERENCES

http://link.springer.com/article/10.1007/s10915-014-9829-x;
http://link.springer.com/content/pdf/10.1007/s10915-014-9829-x.pdf.


http://link.springer.com/content/pdf/10.1007/s10915-014-9826-0.pdf.


REFERENCES

Kocher:2014:VST


Pincock:2014:HOF


DeRosis:2014:CBI


Martinez:2014:EDN


Roth:2014:SLM

A. Roth, A. Klar, B. Simeon, and E. Zharovsky. A semi-Lagrangian method for 3-D Fokker Planck equations for stochastic dynamical

**Ji:2014:SCI**


**Huang:2014:NSS**


**Xia:2014:FSM**


**Massing:2014:SNF**

REFERENCES

Liao:2014:SCM


Starinshak:2014:NLS


Yu:2014:SEM


Hong:2015:NAS


Gerhard:2015:HOD


REFERENCES

http://link.springer.com/article/10.1007/s10915-014-9852-y;


REFERENCES

Ju:2015:FEI


Hintermuller:2015:NOD


Yu:2015:DRP


Skelton:2015:PRR


Reyna:2015:OBT


Liu:2015:ESD


Ohtsuka:2015:LSA


Parisi:2015:NTI


Ala:2015:NII


Asthana:2015:HOF

REFERENCES

Huang:2015:SCN

Saetra:2015:EGI

Jia:2015:SSD

Barrett:2015:SPF

Zhao:2015:MAD


Hundsdorfer:2015:EAE


Natalini:2015:NCB


Yang:2015:WBC


Yang:2015:PRW


Chen:2015:CAT

REFERENCES

http://link.springer.com/article/10.1007/s10915-014-9916-z;
http://link.springer.com/content/pdf/10.1007/s10915-014-9916-

Shankar:2015:RBF

http://link.springer.com/content/pdf/10.1007/s10915-014-9914-

Canuto:2015:COP

014-9912-3; http://link.springer.com/content/pdf/10.1007/
s10915-014-9912-3.pdf.

Rossides:2015:CIM

014-9917-y; http://link.springer.com/content/pdf/10.1007/
s10915-014-9917-y.pdf.

Mathis:2015:DMA

014-9915-0; http://link.springer.com/content/pdf/10.1007/
s10915-014-9915-0.pdf.


REFERENCES


1007/s10915-014-9928-8; http://link.springer.com/content/
pdf/10.1007/s10915-014-9928-8.

[1426] Yifei Lou, Penghang Yin, Qi He, and Jack Xin. Computing sparse
representation in a highly coherent dictionary based on difference of
2015. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (elec-
tronic). URL http://link.springer.com/article/10.1007/s10915-
014-9930-1; http://link.springer.com/content/pdf/10.1007/
s10915-014-9930-1.

[1427] Yao Sun, Fuming Ma, and Xu Zhou. An invariant method of funda-
mental solutions for the Cauchy problem in two-dimensional isotropic
2015. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (elec-
tronic). URL http://link.springer.com/article/10.1007/s10915-
014-9929-7; http://link.springer.com/content/pdf/10.1007/
s10915-014-9929-7.

[1428] Abner J. Salgado. Convergence analysis of fractional time-stepping
methods for incompressible fluids with microstructure. Journal of
http://link.springer.com/content/pdf/10.1007/s10915-014-9926-
x.

[1429] Xiaojie Wang. An exponential integrator scheme for time discretization
of nonlinear stochastic wave equation. Journal of Scientific Computing,
64(1):234–263, July 2015. CODEN JSCOEB. ISSN 0885-7474 (print),
1007/s10915-014-9931-0; http://link.springer.com/content/
pdf/10.1007/s10915-014-9931-0.

[1430] Nan Jiang. A higher order ensemble simulation algorithm for
REFERENCES


Hsieh:2015:UES


Zhong:2015:MSV


Safdari-Vaighani:2015:RBF


Zhao:2015:RPE

REFERENCES


References


REFERENCES


Guo:2015:MPS


Kim:2015:CCH


Du:2015:RRT


Boulakia:2015:SSE


Su:2015:SPN

REFERENCES

http://link.springer.com/article/10.1007/s10915-014-9958-2;


REFERENCES

Li:2015:SPP


Mu:2015:WGF


Dolz:2015:MHM


Zeng:2015:SOS


Kim:2015:EPR

Zhang:2015:HMN

Chen:2015:RIB

Nissen:2015:SDM

Zheng:2015:LPF

Wasserman:2015:IRF

Wang:2015:FSB


REFERENCES


[1496] Sheng-Gwo Chen, Mei-Hsiu Chi, and Jyh-Yang Wu. High-order algorithms for Laplace–Beltrami operators and geometric invariants over
REFERENCES

404


REFERENCES


Kadalbajoo:2015:SOA


Shi:2015:NSM


Dauge:2015:TNI


Choi:2015:FDC


Crouseilles:2015:CNS


Guillen-Gonzalez:2015:STS

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Gurkan:2016:EHD


Ma:2016:IDT


Lamichhane:2016:MFE


Li:2016:NSW


Chen:2016:GSA


Tong:2016:HOM

[1574] Oisin Tong, Aaron Katz, Yushi Yanagita, Alex Casey, and Robert Schaap. High-order methods for turbulent flows on three-dimensional


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Liu:2016:NMG


Wong:2016:FSM


Deng:2016:TLS


Qian:2016:BEH


Lee:2016:IBM


REFERENCES


References

Hayashi:2016:CAC


Winokur:2016:SPS


Schmidtmann:2016:RBW


Pandit:2016:EIC


Ding:2016:SML

REFERENCES


[1658] Shuqin Wang, Jinyun Yuan, Weihua Deng, and Yujiang Wu. A hybridized discontinuous Galerkin method for 2D fractional convection-

Brenner:2016:AFE


Jung:2016:VIC


Shum:2016:CRO


Christlieb:2016:ESS

REFERENCES


REFERENCE


REFERENCES


Yoon:2016:SSS


Gupta:2016:PEA


Rotundo:2016:EAB


Chen:2016:DDT


REFERENCES


REFERENCES

447

Awanou:2016:SFD


Witherden:2016:ASP


Gong:2016:FDE


Brachet:2016:STS


Chen:2016:MEI

REFERENCES


Boyd:2016:TMS


Liao:2016:WAS


Tcheng:2016:LCA


Gatica:2016:PPE


Huang:2016:SDG

REFERENCES


REFERENCES


Zou:2017:USQ


Guo:2017:STG


Tang:2017:LPF


Wang:2017:HSA

Wang:2017:GMS


Brus:2017:PSI


Chang:2017:LSO


Tang:2017:UCT


Li:2017:SOS


REFERENCES


Zhang:2017:OSS


Zhang:2017:SML


Li:2017:EEM


Michoski:2017:SNC

[1758] Jingyang Guo and Jae-Hun Jung. Radial basis function ENO and WENO finite difference methods based on the optimization of shape


Benjamin Ivorra, Susana Gomez, Roland Glowinski, and Angel Manuel Ramos. Nonlinear advection–diffusion–reaction phenomena involved in


REFERENCES


Guermond:2017:ECM


Zhao:2017:DES


Kaiser:2017:NSS


Ma:2017:CBV


Heister:2017:DUS

REFERENCES

Moe:2017:PPD


Pichard:2017:ACA


Li:2017:FOS


Kang:2017:SCL


Perrotta:2017:SOF


Song:2017:WGM


REFERENCES


REFERENCES


[1838] Qiao Wang, Wei Zhou, Yonggang Cheng, Gang Ma, Xiaolin Chang, and Qiang Huang. The boundary element method with a fast multi-

Amat:2017:NWS


Lee:2017:SOO


Cho:2017:EAC


Moghaddam:2017:EAA


Costa:2017:VHO

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Jiang:2017:AFE


Gu:2017:FIM


Bigoni:2017:AWM


Zhu:2017:NSF


Garcia:2017:NMF


[1890] Daniel Baffet and Jan S. Hesthaven. High-order accurate adaptive kernel compression time-stepping schemes for fractional differential equa-
REFERENCES


[1904] Giuseppe Pitton and Gianluigi Rozza. On the application of reduced basis methods to bifurcation problems in incompressible fluid


[1909] Xu hong Yu and Ben yu Guo. Spectral method for vorticity-stream function form of Navier–Stokes equations in an infinite channel with slip


Chen:2017:DIS


Chow:2017:AOC

Yat Tin Chow, Jérôme Darbon, Stanley Osher, and Wotao Yin. Algorithm for overcoming the curse of dimensionality for time-dependent
REFERENCES


Cockburn:2017:ABS


Conde:2017:IIE


Ditkowski:2017:EIB


Dong:2017:OCH

Gao:2017:ERH


Hernandez-Duenas:2017:HMS


Hou:2017:AMI


Hu:2017:CIE


Jameson:2017:EFI


Zhou:2017:SLD


Zhu:2017:ARM


Zhu:2017:NTF


Cavoretto:2018:OSL


Bi:2018:PEE


Zhou:2018:FLT


[1961] Immanuel Martini, Bernard Haasdonk, and Gianluigi Rozza. Certified reduced basis approximation for the coupling of viscous and invis-

---


---


---


---


---

Cai:2018:NSM


Chaabane:2018:SDG


Huang:2018:MMM


Xie:2018:TMS


deFrutos:2018:EAP


Durango:2018:TGM


[1979] Chang Ho Kim, Kwang-Il You, and Youngsoo Ha. Hybrid finite difference weighted essentially non-oscillatory schemes for the compressible ideal


REFERENCES

Dunst:2018:SOC

Huber:2018:SCS

Tang:2018:WCP

Mukam:2018:SCA

An:2018:OEE

Zhao:2018:FFD


REFERENCES

DEN JSCOE. ISSN 0885-7474 (print), 1573-7691 (electronic).

[2003] Magnus Svärd and Jan Nordström. Response to “Convergence of
Summation-by-Parts Finite Difference Methods for the Wave Equation”.
DEN JSCOE. ISSN 0885-7474 (print), 1573-7691 (electronic). See
[1798].

Addam:2018:SAW

On solving an acoustic wave problem via frequency–domain approach
and tensorial spline Galerkin method. Journal of Scientific Comput-
ing, 74(3):1193–1220, March 2018. CODEN JSCOE. ISSN 0885-7474
article/10.1007/s10915-017-0490-z; https://link.springer.com/content/pdf/10.1007/s10915-017-0490-z.pdf.

Zhang:2018:GSC

[2005] Chengjian Zhang and Cui Li. Generalized Störmer-Cowell methods
for nonlinear BVPs of second-order delay–integro-differential equa-
s10915-017-0491-y; https://link.springer.com/content/pdf/10.1007/s10915-017-0491-y.pdf.

Lai:2018:MBL

[2006] Rongjie Lai and Jia Li. Manifold based low-rank regularization for image
restoration and semi-supervised learning. Journal of Scientific Comput-
ing, 74(3):1241–1263, March 2018. CODEN JSCOE. ISSN 0885-7474
s10915-017-0492-x; https://link.springer.com/content/pdf/10.1007/s10915-017-0492-x.pdf.

Deng:2018:LCC

[2007] Quanling Deng and Victor Ginting. Locally conservative continuous
March 2018. CODEN JSCOE. ISSN 0885-7474 (print), 1573-7691


REFERENCES


REFERENCES


REFERENCES

DelReyFernandez:2018:SAT


Kyza:2018:HAG


Xue:2018:RCL


An:2018:ESG


Li:2018:PME

REFERENCES


REFERENCES

Jeong:2018:PMC


Dubuis:2018:AAT


Cockburn:2018:SPD


Higueras:2018:OBL


Fatone:2018:IDD


[Wang:2018:JPB]


[Na:2018:EMS]


[Sun:2018:SAH]


[Buli:2018:LDG]


Lai:2018:BSM


Schroeder:2018:DFD


Nossek:2018:FGN


Jeon:2018:HSD


Eriksson:2018:DCF


REFERENCES

Klinge:2018:SSP


Chung:2018:GPE


Lin:2018:SCA


Sen:2018:ESS


Long:2018:TBN

REFERENCES

San:2018:GDP


Zhao:2018:CAI


Huang:2018:PTR


Manzanero:2018:IAD


Hamfeldt:2018:HOA


REFERENCES


Li:2018:COT


Ryu:2018:UPM


Bentbib:2018:CGT


Lei:2018:FPP


Ma:2018:CAI


REFERENCES


REFERENCES

Xiao:2018:RSS


Liang:2018:CMG


Kopriva:2018:SOM


Reyes:2018:NCH


Wang:2018:HOD


REFERENCES


Liu:2018:FDG


Califano:2018:SSP


Schoeder:2018:AHO


Wang:2018:HOC


Oikawa:2018:HMO

REFERENCES

Cao:2018:MFV


Wang:2018:GSA


Zhong:2018:GMS


Chen:2018:FFF


Guo:2018:ALD

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Feng:2018:HAF


Zhou:2018:AFE


Chen:2018:MMF


Baccouch:2018:AEP


Li:2018:SOE


Chen:2018:MPM


Garrappa:2018:CMM


Gassner:2018:BSS


Gassner:2018:CBS

[2187] Harbir Antil, Enrique Otárola, and Abner J. Salgado. Optimization with respect to order in a fractional diffusion model: Analysis, approximation...

Antil:2018:ORO


REFERENCES


Liu:2018:MDG


Yang:2018:HSD


Ge:2018:SGS


Wu:2018:HOL


Wissink:2018:SRS


REFERENCES


REFERENCES


REFERENCES


Castillo:2018:CFN


Chen:2018:ESM


Du:2018:ASD


Farhat:2018:ANT

[2241] Xiaobing Feng and Thomas Lewis. Nonstandard local discontinuous
Galerkin methods for fully nonlinear second order elliptic and parabolic
equations in high dimensions. *Journal of Scientific Computing*, 77
(3):1534–1565, December 2018. CODEN JSCOEB. ISSN 0885-7474
com/content/pdf/10.1007/s10915-018-0765-z.pdf.

[2242] P. Fernandez, A. Christophe, S. Terrana, N. C. Nguyen, and
J. Peraire. Hybridized discontinuous Galerkin methods for wave prop-
ber 2018. CODEN JSCOÉB. ISSN 0885-7474 (print), 1573-7691
s10915-018-0811-x; https://link.springer.com/content/pdf/
10.1007/s10915-018-0811-x.pdf.

[2243] Guosheng Fu and Christoph Lehrenfeld. A strongly conserva-
tive hybrid DG/mixed FEM for the coupling of Stokes and Darcy
ber 2018. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691
s10915-018-0691-0; https://link.springer.com/content/pdf/
10.1007/s10915-018-0691-0.pdf.

[2244] Pei Fu, Fengyan Li, and Yan Xu. Globally divergence–free dis-
continuous Galerkin methods for ideal magnetohydrodynamic equa-
2018. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691
s10915-018-0750-6; https://link.springer.com/content/pdf/

[2245] Huadong Gao and Weifeng Qiu. Error analysis of mixed fi-
nite element methods for nonlinear parabolic equations. *Journal
of Scientific Computing*, 77(3):1660–1678, December 2018. CO-
DEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (electronic).


Guanglian Li and Ke Shi. Upscaled HDG methods for Brinkman equations with high–contrast heterogeneous coefficient. *Journal


REFERENCES

555


REFERENCES

Herrero:2019:SMR


Dimarco:2019:CLD


Rueda-Ramírez:2019:TEE


Sun:2019:TSO


Baeza:2019:CWS

REFERENCES


Antonietti:2019:VCM


Pei:2019:NMI


Yang:2019:LSM


Huybrechs:2019:HFA


Sun:2019:NSB

REFERENCES


REFERENCES


Ke:2019:AFD


Moxey:2019:IEB


You:2019:NMM


Zhang:2019:EES


Kimura:2019:GFS

[2299] Masato Kimura, Hirofumi Notsu, Yoshimi Tanaka, and Hiromi Yamamoto. The gradient flow structure of an extended Maxwell vis-

Wolf:2019:AMF


Mittal:2019:MSS


Zaspel:2019:APM


Wang:2019:SAP


Mohammadi:2019:OSD


REFERENCES

Xie:2019:FOK


Xie:2019:CFO


Zhao:2019:LDG


Berkhout:2019:JSP


Fu:2019:PFP

[2324] Hongfei Fu and Hong Wang. A preconditioned fast parareal finite difference method for space–time fractional partial differen-
Ma:2019:CII


Sheikholeslami:2019:CAK


Yang:2019:AII


Glowinski:2019:FEO


Oltean:2019:PPP


Bernal:2019:IMM


Lin:2019:HOR


Zhai:2019:AWG

REFERENCES

Hecht:2019:RPE


Di:2019:FHM


Trias:2019:SCR


Huang:2019:TOU


Yang:2019:ISU

REFERENCES


REFERENCES


[2377] Xiang Wang, Xing Li, Lei-Hong Zhang, and Ren-Cang Li. An efficient numerical method for the symmetric positive definite second-order cone linear complementarity problem. *Journal of Scientific...*
Dong:2019:MCM


Chan-Wai-Nam:2019:MLS


Du:2019:SLD


Fu:2019:EDF


Xie:2019:EDP

[2382] Jianqiang Xie and Zhiyue Zhang. An effective dissipation-preserving fourth-order difference solver for fractional-in-space nonlinear wave equa-


REFERENCES


REFERENCES


Alvarez:2019:NMF


Friedrich:2019:ESS


Zhu:2019:NAP


Fang:2019:ESG


Li:2019:AOD

[2397] Ruo Li, Pingbing Ming, Ziyuan Sun, and Zhijian Yang. An arbitrary-order discontinuous Galerkin method with one unknown per element.
REFERENCES


[2402] Dongfang Li, Chengda Wu, and Zhimin Zhang. Linearized Galerkin FEMs for nonlinear time fractional parabolic problems with non-smooth

---


Christophe Berthon, Arnaud Duran, Françoise Foucher, Khaled Saleh, and Jean De Dieu Zabsonré. Improvement of the hydrostatic recon-


Shepherd:2019:ASI

[2422] David Shepherd, James Miles, Matthias Heil, and Milan Miha
jlović. An adaptive step implicit midpoint rule for the time in-
tegration of Newton’s linearisations of non-linear problems with
applications in micromagnetics. Journal of Scientific Comput-
ing, 80(2):1058–1082, August 2019. CODEN JSCOEB. ISSN
link.springer.com/content/pdf/10.1007/s10915-019-00965-8.pdf

Gao:2019:SSI

gauge-invariant method for the time-dependent Ginzburg–Landau equa-
CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (electronic). URL
https://link.springer.com/article/10.1007/s10915-019-00968-
5; https://link.springer.com/content/pdf/10.1007/s10915-019-
00968-5.pdf.

Xiang:2019:NPV

[2424] Yan-Fei Xiang, Yan-Fei Jing, and Ting-Zhu Huang. A new projected
variant of the deflated block conjugate gradient method. Journal of Sci-
centific Computing, 80(2):1116–1138, August 2019. CODEN JSCOEB.
link.springer.com/content/pdf/10.1007/s10915-019-00969-4.pdf

Yuan:2019:GOO

[2425] Honglin Yuan, Xiaoyi Gu, Rongjie Lai, and Zaiwen Wen. Global opti-
mization with orthogonality constraints via stochastic diffusion on man-
CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (electronic). URL
https://link.springer.com/article/10.1007/s10915-019-00971-
w; https://link.springer.com/content/pdf/10.1007/s10915-019-
00971-w.pdf.

Qi:2019:OEE

[2426] Ruisheng Qi and Xiaojie Wang. Optimal error estimates of Galerkin fi-
nite element methods for stochastic Allen–Cahn equation with additive
CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (electronic). URL


REFERENCES


Helzel:2019:NAM


Feng:2019:MMM


Cai:2019:FSC


Puthawala:2019:DFO


Anaya:2019:AAV


REFERENCES


REFERENCES


REFERENCES

593

Freya:2019:PBM


Gunzburger:2019:IDL


Kergrene:2019:GOV


Pichi:2019:RBA


Venturi:2019:WPM

Cheng:2019:TOE


[2456]

Ren:2019:GCD


[2457]

Cho:2019:SOB


[2458]

Yin:2019:CIB


[2459]

Pranjal:2019:BIS

Pranjal and David Silvester. Balanced iterative solvers for linear nonsymmetric systems and nonlinear systems with PDE origins:

Lu:2019:RMP


Ayadi:2019:SPS


Wang:2019:NNE


Chen:2019:KBM


Moradi:2019:SSP


[2470] Nattaporn Chuenjarern and Yang Yang. Fourier analysis of local discontinuous Galerkin methods for linear parabolic equations on overlapping

Ma:2019:SOA


Vevek:2019:EHM


Ding:2019:PRS


Liu:2019:UES


Bohm:2019:MES


REFERENCES

Ding:2020:CFE


Xu:2020:LPM


Hao:2020:HMA


Li:2020:HOC


Chen:2020:EAN


[Meena:2020:PPF]


[Oberman:2020:PDE]


[Zaky:2020:SIG]


[Zhao:2020:NHS]

Gao:2020:RSP


Huang:2020:SFE


Liu:2020:NNM


Du:2020:MMM


Olatunji:2020:SRG

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Kent:2020:PDL


Ong:2020:TAT


Zhao:2020:BSD


Shadpey:2020:ESM


Schnucke:2020:ESD

REFERENCES


REFERENCES


[2575] Xiaole Li, Yulong Xing, and Ching-Shan Chou. Optimal energy conserving and energy dissipative local discontinuous Galerkin meth-
Fengnan:2020:LFD


Kim:2020:CNR


Wang:2020:GCA


Aceto:2020:PTA


Hassanzadeh:2020:CDS


REFERENCES


Zhang:2020:SOA


Cai:2020:CAC


Du:2020:PST


Xi:2020:HAN


Wen:2020:ESW

REFERENCES


REFERENCES


Ong:2020:DCM


Zhang:2020:ERK


Gedicke:2020:EPE


Xu:2020:EAD


DiIlio:2020:NHT

REFERENCES


[2625] Yuan Xu, Xiong Meng, Chi-Wang Shu, and Qiang Zhang. Superconvergence analysis of the Runge–Kutta discontinuous Galerkin methods...
REFERENCES

628


REFERENCES


Bourriaud:2020:PNN


Minakowski:2020:FEE


Lambert:2020:MNB


Dabaghi:2020:AIS


REFERENCES


REFERENCES

Liu:2020:PFV


Chen:2020:NMS


Jin:2020:CSM


Guo:2020:NPB


Guo:2020:SIH


REFERENCES


Amine:2020:LIM


Song:2020:ACF


Zhang:2020:OOU


Farnham:2020:PCP


Archibald:2020:ENA

REFERENCES


[2705] Hayley Guy, Alen Alexanderian, and Meilin Yu. A distributed active subspace method for scalable surrogate modeling of function valued out-

Du:2020:PIF


Zhu:2020:UCW


Bot:2020:VSC


Jones:2020:STH


Liu:2020:WBP

[2710] Xin Liu. A well-balanced and positivity-preserving numerical model for shallow water flows in channels with wet–dry fronts. *Journal of
REFERENCES

Scientific Computing, 85(3):??, December 2020. CODEN JSCOEB.
springer.com/article/10.1007/s10915-020-01362-2; https://
link.springer.com/content/pdf/10.1007/s10915-020-01362-2.pdf

[2711] Binjie Li, Tao Wang, and Xiaoping Xie. Numerical analysis of two
Galerkin discretizations with graded temporal grids for fractional evo-
lution equations. Journal of Scientific Computing, 85(3):??, December
2020. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691 (electronic).
URL https://link.springer.com/article/10.1007/s10915-020-
01365-z; https://link.springer.com/content/pdf/10.1007/s10915-
020-01365-z.pdf.

[2712] Hailong Qiu. Well-posedness and finite element approximation for
the stationary magneto-hydrodynamics problem with temperature-
dependent parameters. Journal of Scientific Computing, 85(3):??, De-
cember 2020. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691
s10915-020-01361-3; https://link.springer.com/content/pdf/10.

An active-set proximal-Newton algorithm for \(\ell_1\) regularized opti-
mization problems with box constraints. Journal of Scientific
Computing, 85(3):??, December 2020. CODEN JSCOEB. ISSN
springer.com/article/10.1007/s10915-020-01364-0; https://
link.springer.com/content/pdf/10.1007/s10915-020-01364-0.pdf

[2714] Min Ling, Fei Wang, and Weimin Han. The nonconforming
virtual element method for a stationary Stokes hemivariational
inequality with slip boundary condition. Journal of Scientific
Computing, 85(3):??, December 2020. CODEN JSCOEB. ISSN
springer.com/article/10.1007/s10915-020-01333-7; https://
link.springer.com/content/pdf/10.1007/s10915-020-01333-7.pdf


REFERENCES

Carrillo:2021:LWA


Abreu:2021:CLE


Kheirfam:2021:SOC


Taiwo:2021:ITA


Chu:2021:LSM

REFERENCES


REFERENCES


Lundquist:2021:SDA


Allen:2021:SAM


Choi:2021:VDE


Kao:2021:ERP


Fu:2021:LFG

REFERENCES


[2754] Meng Cai, Siqing Gan, and Xiaojie Wang. Weak convergence rates for an explicit full-discretization of stochastic Allen–Cahn equation with


[2759] Xiangcheng Zheng, V. J. Ervin, and Hong Wang. Optimal Petrov–Galerkin spectral approximation method for the fractional diffu-
REFERENCES
REFERENCES

Hao:2021:CIE


Zhang:2021:AES


Ranocha:2021:NCS


Li:2021:SFR


Guo:2021:NRB

REFERENCES


Chen:2021:DSE


Costa-Sole:2021:HOH


Li:2021:SFD


Xiao:2021:FEC


Wang:2021:SSC


REFERENCES


REFERENCES

Zhang:2021:CSM


Dutta:2021:OPE


Ying:2021:HIP


Moore:2021:EIB


LeFloch:2021:KFN


REFERENCES


REFERENCES

Zhu:2021:FSG

Palitta:2021:MET

Li:2021:UMB

Lepe:2021:EEF

Luo:2021:QCD
Chow:2021:LSS


Chen:2021:BDF


Hien:2021:ANM


Liu:2021:EPE


Burman:2021:CAH

Le:2021:QRM


Yang:2021:UOE


Zhang:2021:HOW


Hao:2021:SHT


Shi:2021:HOC

REFERENCES


REFERENCES


Jaramillo:2021:NMD


Funaro:2021:SCP


Busto:2021:TCF


Zhang:2021:CSB


Lin:2021:EHB

REFERENCES


REFERENCES


Chiapolino:2021:MSH


Berg:2021:LTS


Zhou:2021:TSA


Sheng:2021:ESM


Kopriva:2021:SDG


Figueiredo:2021:MMH


REFERENCES


REFERENCES


REFERENCES


[2901] Taibai Fu, Beiping Duan, and Zhoushun Zheng. An effective finite element method with singularity reconstruction for fractional convection-


Cho:2021:TWS


Benedusi:2021:FPS


Bonazzoli:2021:ASD


Liu:2021:UTS


Park:2021:PAG


REFERENCES


[2935] Yaguang Gu and Felix Kwok. On the choice of Robin parameters for the optimized Schwarz method for domains with non-conforming


Fabiani:2021:NSB


Jiang:2021:ESM


Tang:2021:ABT


Olshanskii:2021:UFE


Zhao:2021:NIC


Manohar:2021:PEE

[2952] Ram Manohar and Rajen Kumar Sinha. A posteriori error estimates for parabolic optimal control problems with controls acting on lower di-
REFERENCES


Franz:2021:SPR


Kim:2021:CAC


Du:2021:AFE


Li:2021:HMM


Mizuguchi:2021:ECS

Li:2021:BES


Sun:2021:OFD


Michel:2021:SAC


Eriksson:2021:ISS


Yeager:2021:TSR


Li:2021:NTR

[2963] Minghui Li, Wen Li, and Mingqing Xiao. The nonconvex tensor robust principal component analysis approximation model via the weighted $\ell_p$-norm regularization. *Journal of Scientific Computing*, 89(3):??, December 2021. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691
REFERENCES


REFERENCES


REFERENCES

Colibazzi:2022:LNE


Fan:2022:TSI


Zhou:2022:PEE


Fu:2022:ELD


Schutz:2022:PTH


Buchheit:2022:ECL

[2993] Andreas A. Buchheit and Torsten Keffler. On the efficient computation of large scale singular sums with applications to long-range forces in crystal lattices. *Journal of Scientific Computing*, 90(1):??, January 2022. CODEN JSCOEB. ISSN 0885-7474 (print), 1573-7691


[2999] Yuan Li and Rong An. Unconditionally optimal error analysis of a linear Euler FEM scheme for the Navier–Stokes equations with mass diffu-
REFERENCES


REFERENCES


REFERENCES


6. Yanyan Wang, Zhaopeng Hao, and Rui Du. A linear finite difference scheme for the two-dimensional nonlinear Schrödinger equation with

*Antonietti:2022:SAP*


*Diaz-Adame:2022:FOW*


*Zhou:2022:ALE*


*Sun:2022:PTI*


*Liu:2022:HAT*


*Dong:2022:HMC*


Lu:2022:LED

Vismara:2022:SED

An:2022:SDP

Qin:2022:TDC

McClarren:2022:SIH

Zhang:2022:USO


REFERENCES

707


Feng:2022:EIM


Yao:2022:SEM


Zhang:2022:FDF


Zhang:2022:IMD


Yang:2022:MMM


Boscheri:2022:CCS


Chouchoulis:2022:JFE


Hou:2022:IPP


Dolz:2022:RCE


Wang:2022:OCL


Sanchez:2022:EAU


Ryzhakov:2022:UAL

Lagrangian–Eulerian model for fluid-structure interaction problems in-

Fu:2022:HOD

[3070] Pei Fu, Thomas Frachon, and Sara Zahedi. High order discontinuous cut
finite element methods for linear hyperbolic conservation laws with an in-

Zhao:2022:SDM

[3071] Lina Zhao, Dohyun Kim, and Eric Chung. Staggered DG method with
small edges for Darcy flows in fractured porous media. Journal of Scien-

Loya:2022:HMD

[3072] Allen Alvarez Loya and Daniel Appelö. A Hermite method with a discon-
tinuity sensor for Hamilton–Jacobi equations. Journal of Scientific Com-

Xi:2022:NMU

[3073] Yingxia Xi and Xia Ji. A new method using $C^0$ IPG for the bihar-

vanGestel:2022:CEC

[3074] R. A. M. van Gestel, M. J. H. Anthonissen, and W. L. IJzerman. Cor-
rection to: An Energy Conservative $hp$-method for Liouville’s Equa-


[3080] Yann-Meing Law and Jean-Christophe Nave. High-order FDTD schemes for Maxwell’s interface problems with discontinuous coefficients and complex interfaces based on the correction function method. *Journal of Scientific Computing*, 91(1):??, April 2022. CODEN JSCOEB. ISSN 0885-


[Liu:2022:NSM]


[Jiang:2022:LCR]


[Manohar:2022:LPE]


[Gosea:2022:DDM]


[Liu:2022:IHS]


[Luo:2022:OEE]
REFERENCES


[3098] A. Bermúdez, B. López-Rodríguez, and P. Venegas. Numerical solution of an axisymmetric eddy current model with current and voltage exci-

**Veilleux:2022:SSD**


**Bevilacqua:2022:OIC**


**Peng:2022:RBM**


**Mossier:2022:ADG**


**Wang:2022:LCB**


**Li:2022:CPP**

Cao:2022:OSC


Safari:2022:CAL


Shi:2022:NPA


Ji:2022:IRT


Lindblad:2022:MAM


Ri:2022:NCU

REFERENCES


[3116] Xiaojun Ma, Hongwei Liu, and Xiaoyin Li. Two optimization approaches for solving split variational inclusion problems with applications. *Journal of Scientific Computing*, 91(2):??, May 2022. CODEN JSCOEB.
REFERENCES


Arbogast:2022:RWR


Gnanasekaran:2022:HOF


Wang:2022:CAF


Aretaki:2022:EHO


Kang:2022:ESB

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Zheng:2022:TCF


Ding:2022:MFG


Grant:2022:PRK


Balcells-Quintana:2022:CIG


Fu:2022:EFE


Fatone:2022:DMM

REFERENCES


Zhong:2022:SAF


Wang:2022:NMD


Chen:2022:PPE


Schneider:2022:EGI