

Corresponding authors and their e-mails

A note on the stabilised Q_1-P_0 method on quadrilaterals with high aspect ratios	1
<u>Gabriel R. Barrenechea</u> and Andreas Wachtel gabriel.barrenechea@strath.ac.uk	
A posteriori error estimation of a stabilized mixed finite element method for Darcy flow	11
Tomás Patricio Barrios, José Manuel Cascón, and <u>María González</u> maria.gonzalez.taboada@udc.es	
A local projection stabilized Lagrange-Galerkin method for convection-diffusion equations	21
<u>Rodolfo Bermejo</u> , Rafael Cantón, and Laura Saavedra rbermejo@etsii.upm.es	
Outflow conditions for the Navier-Stokes equations with skew-symmetric formulation of the convective term	31
Malte Braack braack@math.uni-kiel.de	
Finite element approximation of an unsteady projection-based VMS turbulence model with wall laws	41
<u>Tomás Chacón Rebollo</u> , Macarena Gómez Mármol, and Samuele Rubino chacon@us.es	
Spatial semidiscretizations and time integration of 2D parabolic singularly perturbed problems	67
<u>Carmelo Clavero</u> and Juan Carlos Jorge clavero@unizar.es	

Boundary layers in a Riemann-Liouville fractional derivative two-point boundary value problem	77
<u>José Luis Gracia</u> and Martin Stynes	
jlgracia@unizar.es	
On the application of algebraic flux correction schemes to problems with non-vanishing right-hand side	89
Petr Knobloch	
knobloch@karlin.mff.cuni.cz	
Investigation of numerical wall functions based on the 1D boundary layer equations for flows with significant pressure gradient	99
Tobias Knopp, Fabian Spallek, Octavian Frederich, and Gerd Rapin	
Tobias.Knopp@dlr.de	
Modified SUPG method on oriented meshes	109
Jan Lamač	
jan.lamac@centrum.cz	
On numerical simulation of transition to turbulence in turbine cascade ..	119
<u>Petr Louda</u> , Karel Kozel, and Jaromír Příhoda	
petr.louda@fs.cvut.cz	
Understanding the limits of inf-sup stable Galerkin-FEM for incompressible flows	129
<u>Gert Lube</u> , Daniel Arndt, and Helene Dallmann	
lube@math.uni-goettingen.de	
A posteriori optimization of parameters in the SUPG method for higher degree FE spaces	151
Petr Lukáš	
lukas@karlin.mff.cuni.cz	
A parameter-uniform first order convergent numerical method for a system of singularly perturbed second order delay differential equations ..	161
Manikandan Mariappan, <u>John J.H. Miller</u> and Valarmathi Sigamani	
jjhmiller@gmail.com	
Numerical simulation of air jet attachment to convex walls and application to UAV	171
Nikola Mirkov and <u>Boško Rašuo</u>	
brasuo@mas.bg.ac.rs	
Cholesky factorisation of linear systems coming from finite difference approximations of singularly perturbed problems	181
<u>Thái Anh Nhan</u> and Niall Madden	
a.nhan1@nuigalway.ie	

- Numerical experiments with a linear convection–diffusion problem containing a time-varying interior layer** 191
Eugene O’Riordan and Jason Quinn
eugene.oriordan@dcu.ie
- Second order uniformly convergent numerical method for a coupled system of singularly perturbed reaction-diffusion problems with discontinuous source term** 201
S. Chandra Sekhara Rao and Sheetal Chawla
scsr@maths.iitd.ac.in
- A multiscale sparse grid technique for a two-dimensional convection-diffusion problem with exponential layers** 213
Stephen Russell and Niall Madden
s.russell1@nuigalway.ie
- On the delay and inviscid nature of turbulent break-away separation in the high- Re limit** 223
Bernhard Scheichl
bernhard.scheichl@tuwien.ac.at
- Use of standard difference scheme on uniform grids for solving singularly perturbed problems under computer perturbations** 235
Grigori Shishkin
shishkin@imm.uran.ru
- Difference schemes of high accuracy order on uniform grids for a singularly perturbed parabolic reaction-diffusion equation** 245
Lidia Shishkina
lida@convex.ru
- Blow-up of solutions and interior layers in a Caputo two-point boundary value problem** 255
Martin Stynes and José Luis Gracia
m.stynes@ucc.ie
- On finite element approximation of fluid-structure interactions with consideration of transition model** 265
Petr Sváček
Petr.Svacek@fs.cvut.cz