

A.2 Conference papers

Authors: Colomé, O.; Badia, S.; Codina, R.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Variational multiscale large eddy simulation of turbulent incompressible flows

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: VMS 2013: Variational Multiscale and Stabilized Finite Elements. Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE). 2013.

URL to publication:

Conference edition: Variational Multiscale and Stabilized Finite Elements 2013

Type of conference edition: Congrés

Year: 2013

Town/city: Barcelona

Country: Espanya

Authors: Badia, S.; Hierro, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Monotonic stabilized FE approximations of transport problems

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: VMS 2013: Variational Multiscale and Stabilized Finite Elements. Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE). 2013.

URL to publication:

Conference edition: Variational Multiscale and Stabilized Finite Elements 2013

Type of conference edition: Congrés

Year: 2013

Town/city: Barcelona

Country: Espanya

Authors: Badia, S.; Martín, A. F.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: A highly scalable asynchronous implementation of balancing domain decomposition by constraints

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Sparse Days 2014. 2014.

URL to publication:

Conference edition: Sparse Days 2014

Type of conference edition: Congrés

Year: 2014

Town/city: Toulouse

Country: França

Authors: Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Implicit multiphysics solvers

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN: 978-84-942844-7-2

Legal deposit no.: B-17935-2014

Published: 11th World Congress on Computational Mechanics (WCCM XI); 5th European Conference on Computational Mechanics (ECCM V); 6th European Conference on Computational Fluid Dynamics (ECFD VI): July 20-25, 2014, Barcelona, Spain. Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE). 2014.

URL to publication: <http://wccm-eccm-ecfd2014.org/frontal/Ebook.asp>

Conference edition: 11th World Congress on Computational Mechanics

Type of conference edition: Congrés

Year: 2014

Town/city: Barcelona

Country: Espanya

Authors: Badia, S.; Hierro, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Monotonic stabilized FE approximations of transport problems

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URL to publication: <http://wccm-eccm-ecfd2014.org/frontal/Ebook.asp>

Conference edition: 11th World Congress on Computational Mechanics

Type of conference edition: Congrés

Year: 2014

Town/city: Barcelona

Country: Espanya

Authors: Badia, S.; Codina, R.; Colomé, O.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Variational multiscale Large Eddy Simulation of turbulent incompressible flows

Pages (first-last):

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Published: 11th World Congress on Computational Mechanics (WCCM XI); 5th European Conference on Computational Mechanics (ECCM V); 6th European Conference on Computational Fluid Dynamics (ECFD VI): July 20-25, 2014, Barcelona, Spain. Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE). 2014.

URL to publication: <http://wccm-eccm-ecfd2014.org/frontal/Ebook.asp>

Conference edition: 11th World Congress on Computational Mechanics

Type of conference edition: Congrés

Year: 2014

Town/city: Barcelona

Country: Espanya

Authors: Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Improving the scalability of balancing substructuring domain decomposition methods for computational fusion

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: RES Engineering Seminar. 2014.

URL to publication:

Conference edition: RES Engineering Seminar

Type of conference edition: Seminari

Year: 2014

Town/city: Barcelona

Country: Espanya

Authors: Badia, S.; Martín, A. F.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: A highly scalable asynchronous implementation of balancing domain decomposition by constraints

Pages (first-last): 14-16

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Numerical Methods for High Performance Computers - International SPPEXA Workshop. 2014.

URL to publication:

Conference edition: Numerical Methods for High Performance Computers - International SPPEXA Workshop

Type of conference edition: Congrés

Year: 2014

Town/city: Heidelberg

Country: Alemanya

Authors: Espinoza, H.; Codina, R.; Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Numerical analysis and benchmarking of a Sommerfeld-type non-reflecting boundary condition for the wave equation in mixed form

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN: 978-84-942844-7-2

Legal deposit no.: B-17935-2014

Published: 11th World Congress on Computational Mechanics (WCCM XI); 5th European Conference on Computational Mechanics (ECCM V); 6th European Conference on Computational Fluid Dynamics (ECFD VI): July 20-25, 2014, Barcelona, Spain. Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE). 2014.

URL to publication: <http://wccm-eccm-ecfd2014.org/frontal/Ebook.asp>

Conference edition: 11th World Congress on Computational Mechanics

Type of conference edition: Congrés

Year: 2014

Town/city: Barcelona

Country: Espanya

Authors: Principe, J.; Badia, S.; Martín, A. F.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: A highly scalable parallel implementation of balancing domain decomposition by constraints

Pages (first-last): 1-2

Type of document: Abstract-Conference Paper

ISBN: 978-84-942844-7-2

Legal deposit no.: B-17935-2014

Published: 11th. World Congress on Computational Mechanics. Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE). 2014.

URL to publication: <http://www.wccm-eccm-ecfd2014.org/>

Conference edition: 11th World Congress on Computational Mechanics

Type of conference edition: Congrés

Year: 2014

Town/city: Barcelona

Country: Espanya

Authors: Planas, R.; Badia, S.; Martín, A. F.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Recursive block preconditioners for multiphysics problems: application to incompressible MHD

Pages (first-last): 1-2

Type of document: Abstract-Conference Paper

ISBN: 978-84-942844-7-2

Legal deposit no.: B-17935-2014

Published: 11th. World Congress on Computational Mechanics. Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE). 2014.

URL to publication: <http://www.wccm-eccm-ecfd2014.org/>

Conference edition: 11th World Congress on Computational Mechanics

Type of conference edition: Congrés

Year: 2014

Town/city: Barcelona

Country: Espanya

Authors: Martín, A. F.; Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On the scalability of BDDC-based fast parallel iterative solvers for the discrete Stokes problem with continuous pressures

Pages (first-last): 1-2

Type of document: Abstract-Conference Paper

ISBN: 978-84-942844-7-2

Legal deposit no.: B-17935-2014

Published: 11th. World Congress on Computational Mechanics. Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE). 2014.

URL to publication: <http://www.wccm-eccm-ecfd2014.org/>

Conference edition: 11th World Congress on Computational Mechanics

Type of conference edition: Congrés

Year: 2014

Town/city: Barcelona

Country: Espanya

Authors: Badia, S.; Martín, A. F.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Scalability of substructuring domain decomposition algorithms for parallel fluid-structure interaction simulations

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Coupled problems 2013. 2013.

URL to publication:

Conference edition: COUPLED PROBLEMS

Type of conference edition: Congrès

Year: 2013

Town/city: Santa Eulària des Riu, Eivissa

Country: Espanya

Authors: Badia, S.; Hierro, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: A shock-capturing stabilized FE method with the DMP property

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: HONOM 2013. 2013.

URL to publication:

Conference edition: HONOM 2013

Type of conference edition: Congrès

Year: 2013

Town/city: Bordeaux

Country: França

Authors: Badia, S.; Baiges, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Adaptive finite element simulation of incompressible flows by hybrid continuous-discontinuous Galerkin formulations

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: ENUMATH 2013. 2013.

URL to publication:

Conference edition: ENUMATH 2013

Type of conference edition: Congrès

Year: 2013

Town/city: Lausanne

Country: Suïssa

Authors: Badia, S.; Planas, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Scalable block-preconditioning for stabilized FE approximations of incompressible MHD

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Finite Elements in Fluids. 2013.

URL to publication:

Conference edition: Finite Elements in Fluids 2013

Type of conference edition: Congrès

Year: 2013

Town/city: San Diego

Country: Estats Units d'Amèrica

Authors: Espinoza, H.; Codina, R.; Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Wave equation in mixed form: stability and convergence estimates using stabilized finite element methods

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Congreso de Métodos Numéricos en Ingeniería, CMN-2013. 2013.

URL to publication: <http://congress.cimne.com/metnum2013/Proceedings/>

Conference edition: Congreso de Métodos Numéricos en Ingeniería 2013

Type of conference edition: Congrés

Year: 2013

Town/city: Bilbao

Country: Espanya

Authors: Badia, S.; Martín, A. F.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Massively parallel balancing domain decomposition finite element solvers based on overlapped coarse-fine correction computations

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: DD 23. 2013.

URL to publication:

Conference edition: DD 23

Type of conference edition: Congrés

Year: 2013

Town/city: Lugano

Country: Suïssa

Authors: Badia, S.; Martín, A. F.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: A Highly Scalable Parallel Implementation of Balancing Domain Decomposition by Constraints

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Preconditioning 2013. 2013.

URL to publication:

Conference edition: Preconditioning 2013

Type of conference edition: Altres

Year: 2013

Town/city: Oxford

Country: Regne Unit

Authors: Ávila, M.; Badia, S.; Codina, R.; Colomé, O.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Dynamic nonlinear variational multiscale modelling of turbulent flows

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Finite Elements in Fluids 2013. 2013.

URL to publication:

Conference edition: Finite Elements in Fluids 2013

Type of conference edition: Congrés

Year: 2013

Town/city: San Diego

Country: Estats Units d'Amèrica

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On the design of discontinuous Galerkin methods for elliptic problems based on hybrid formulations

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Finite Elements in Fluids 2013. 2013.

URL to publication:

Conference edition: Finite Elements in Fluids 2013

Type of conference edition: Congrès

Year: 2013

Town/city: San Diego

Country: Estats Units d'Amèrica

Authors: Badia, S.; Colomé, O.; Martín, A. F.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Substructuring domain decomposition algorithms for parallel fluid-structure interaction simulations

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN: 978-3-9502481-9-7

Legal deposit no.:

Published: Proceedings of the 6th European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012), September 10-14, 2012, Vienna, Austria. Vienna University of Technology. 2012.

URL to publication: <http://eccomas2012.conf.tuwien.ac.at/>

Conference edition: 6th European Congress on Computational methods in Applied Sciences and Engineering

Type of conference edition: Congrès

Year: 2012

Town/city:

Country:

Authors: Principe, J.; Badia, S.; Martín, A. F.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Hybrid parallel solvers for the finite element approximation of PDEs

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN: 978-85-86686-70-2

Legal deposit no.:

Published: Proceedings of the 10th World Congress on Computational Mechanics WCCM 2012. 2012.

URL to publication:

Conference edition: 10th World Congress on Computational Mechanics

Type of conference edition: Congrès

Year: 2012

Town/city: Sao Paulo

Country: Brasil

Authors: Badia, S.; Codina, R.; Planas, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On the numerical approximation of full MHD and Maxwell problems using Lagrange finite element interpolations

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Métodos numéricos em engenharia 2011 = Numerical methods in engineering 2011. 2011.

URL to publication:

Conference edition: Congresso de Métodos Numéricos em Engenharia 2011

Type of conference edition: Congrès

Year: 2011

Town/city: Coimbra

Country: Portugal

Authors: Codina, R.; Badia, S.; Planas, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Model problems in magneto-hydrodynamics: individual numerical challenges and coupling possibilities

Pages (first-last): 1-12

Type of document: Article-Conference Paper

ISBN: 978-848992578-6

Legal deposit no.:

Published: Proceedings of the 4th International Conference on Computational Methods for Coupled Problems in Science and Engineering, COUPLED PROBLEMS 2011. 2011.

URL to publication:

Conference edition: International Conference on Computational Methods for Coupled Problems in Science and Engineering- COUPLED PROBLEMS 2011

Type of conference edition: Congrès

Year: 2011

Town/city: KOS

Country: Grècia

Authors: Codina, R.; Badia, S.; Planas, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Stokes, Maxwell and Darcy as building blocks in MHD problems

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: AfriComp 2011. 2011.

URL to publication:

Conference edition: AfriComp 2011

Type of conference edition: Congrès

Year: 2011

Town/city: Cape Town

Country: Sud-àfrica

Authors: Badia, S.; Codina, R.; Planas, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On a Lagrangian finite element formulation for the full magnetohydrodynamic system suitable for singularities

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Program, book of abstracts: 16th International conference on finite elements in flow problems (FEF 2011): March 23 -25, 2011, Munich, Germany. 2011.

URL to publication:

Conference edition: 16th International Conference on Finite Elements in Flow Problems

Type of conference edition: Congrès

Year: 2011

Town/city: Munich

Country: Alemanya

Authors: Badia, S.; Planas, R.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Approximation of the inductionless magnetohydrodynamics system with finite element techniques

Pages (first-last): 1-61

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Workshop on Numerical Simulations of MHD flows. 2010.

URL to publication:

Conference edition: Workshop on Numerical Simulations of MHD flows

Type of conference edition: Congrès

Year: 2010

Town/city: Karlsruhe

Country: Alemanya

Authors: Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Finite element approximation of magnetohydrodynamic flows for fusion reactor design

Pages (first-last): 103-103

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: SIMAI-SEMA 2010. 2010.

URL to publication:

Conference edition: SIMAI-SEMA 2010

Type of conference edition: Congrés

Year: 2010

Town/city: Cagliari

Country: Itàlia

Authors: Mas De Les Valls, E.; Fradera, J.; Sedano, L.; Codina, R.; Badia, S.; Batet, L.

Research groups : GREENTECH - Grup de Recerca en Tecnologies Renovables; (MC)2 - Grup de Mecànica Computacional en Medis Continus; GREENER - Grup de recerca d'estudis energètics i de les radiacions

Title: Recent MHD activities for blanket analysis at UPC

Pages (first-last): 1-8

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: 36 Reunión Anual de la Sociedad Nuclear Española. 2010.

URL to publication:

Conference edition: 36 Reunión Anual de la Sociedad Nuclear Española

Type of conference edition: Congrés

Year: 2010

Town/city:

Country:

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Continuous and discontinuous galerkin approximations of the Maxwell operator with nodal FEM

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Emerging topics in dynamical systems and partial differential equations: DSPDEs'10: Joint SIAM/RSME-SCM-SEMA meeting, May 31st-June 4th, 2010, Barcelona, Spain. 2010.

URL to publication: <http://www.dspdes2010.org/frontal/ProgIntro.asp>

Conference edition: Emerging Topics in Dynamical Systems and Partial Differential Equations DSPDEs'10

Type of conference edition: Congrés

Year: 2010

Town/city: Barcelona

Country: Espanya

Authors: Badia, S.; Codina, R.; Gutierrez, V.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Long term behavior of a finite element approximation of the transient Navier-Stokes problem using dynamic subscales

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: 2009 International Conference on Scientific Computation and Differential Equations (SciCADE09). 2009.

URL to publication:

Conference edition: 2009 International Conference on Scientific Computation and Differential Equations (SciCADE09)

Type of conference edition: Congrés

Year: 2009

Town/city: Beijing

Country: Xina

Authors: Badia, S.; Quaini, A.; Quarteroni, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Coupling the Navier-Stokes and Biot systems for fluid-poroelastic structure interaction

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Computational Methods for Coupled Problems in Science and Engineering III. 2009.

URL to publication:

Conference edition: International Conference on Computational Methods for Coupled Problems in Science and Engineering, COUPLED PROBLEMS 2009

Type of conference edition: Congrès

Year: 2009

Town/city: Ischia

Country: Itàlia

Authors: Codina, R.; Badia, S.; Principe, J.; Guasch, O.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Long term dynamics in a finite element approximation of the incompressible Navier-Stokes equations with numerical subgrid scale modeling

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: 10th US Congress on Computational Mechanics. 2009.

URL to publication:

Conference edition: US Congress on Computational Mechanics

Type of conference edition: Congrès

Year: 2009

Town/city: Columbus

Country: Estats Units d'Amèrica

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Stabilized continuous and discontinuous Galerkin techniques for Darcy flow

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Abstracts: FEF09, 15th International conference on finite elements in flow problems, 1-3 April, 2009, Tokyo, Japan. 2009.

URL to publication:

Conference edition: 5th International Conference on Finite Elements in Flow Problems

Type of conference edition: Congrès

Year: 2009

Town/city: Tokyo

Country: Japó

Authors: Codina, R.; Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Unified stabilized finite element formulations for the Stokes and the Darcy problems

Pages (first-last): 64-64

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: ENUMATH 2009. 2009.

URL to publication:

Conference edition: ENUMATH 2009

Type of conference edition: Congrès

Year: 2009

Town/city: Uppsala

Country: Suècia

Authors: Codina, R.; Principe, J.; Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Dissipative structure and long term behavior of a finite element approximation of incompressible flows with numerical subgrid scale modeling

Pages (first-last): 75-93

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: Multiscale Methods in Computational Mechanics. 2009.

URL to publication:

Conference edition: Multiscale Methods in Computational Mechanics

Type of conference edition: Congrés

Year: 2009

Town/city: Rolduc

Country: Països Baixos

Authors: Badia, S.; Codina, R.; Gutierrez, V.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Long term stability estimates and existence of a global attractor in a finite element approximation of the Navier-Stokes equations with numerical sub-grid scale modeling

Pages (first-last): 1-8

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: XXI Congreso de Ecuaciones Diferenciales y Aplicaciones, XI Congreso de Matemática Aplicada. 2009.

URL to publication:

Conference edition: XXI Congreso de Ecuaciones Diferenciales y Aplicaciones, XI Congreso de Matemática Aplicada

Type of conference edition: Congrés

Year: 2009

Town/city: Ciudad Real

Country: Espanya

Authors: Badia, S.; Fabio, N.; Vergara, C.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: The Robin-Robin/GMRES algorithm for fluid-structure interaction: large added mass effect and balloon-type problems

Pages (first-last): 1-2

Type of document: Abstract-Conference Paper

ISBN: 9788496736559

Legal deposit no.:

Published: WCCM8-ECCOMAS 2008: 8th World congress on computational mechanics and 5th European congress on computational methods in applied sciences and engineering, Venice, Italy, 30 June-4 July 2008: programme. 2008.

URL to publication: <http://www.iacm-eccomascongress2008.org/>

Conference edition: 8th World Congress on Computational Mechanics

Type of conference edition: Congrés

Year: 2008

Town/city: Venezia

Country: Itàlia

Authors: Badia, S.; Quaini, A.; Quarteroni, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: An algebraic approach to fluid-structure interaction: splitting procedures for semi-implicit algorithms

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: 3rd International Symposium on Modelling of Physiological Flows. 2008.

URL to publication:

Conference edition: 3rd International Symposium on Modelling of Physiological Flows

Type of conference edition: Congrés

Year: 2008

Town/city: Bergamo

Country: Itàlia

Authors: Quaini, A.; Badia, S.; Quarteroni, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Modular vs non-modular preconditioners for fluid-structure systems with large added-mass effect

Pages (first-last): 1-2

Type of document: Abstract-Conference Paper

ISBN: 9788496736559

Legal deposit no.: B-31470-08

Published: WCCM8-ECCOMAS 2008 : 8th World Congress on Computational Mechanics and 5th European Congress on Computational Methods in Applied Sciences and Engineering, Venice, Italy, 30 June-4 July 2008 : programme. Centre Internacional de Mètodes Numèrics en Enginyeria (CIMNE). 2008.

URL to publication: <http://www.iacm-eccomascongress2008.org/frontal/doc/Libro2.pdf>

Conference edition: 8th World Congress on Computational Mechanics

Type of conference edition: Congrès

Year: 2008

Town/city: Venècia

Country: Itàlia

Authors: Badia, S.; Codina, R.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: The variational multiscale method for transient problems: dynamic subscales, dynamic bubbles and inf-sup stable elements

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN: 978-1-402-09230-5

Legal deposit no.:

Published: New computational challenges in materials, structures and fluids: ECCOMAS multidisciplinary jubilee symposium. Springer. 2008.

URL to publication:

Conference edition: ECCOMAS Multidisciplinary Jubilee Symposium: New Computational Challenges in Materials, Structures, and Fluids

Type of conference edition: Congrès

Year: 2008

Town/city: Viena

Country: Àustria

Authors: Badia, S.; Quaini, A.; Quarteroni, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Splitting methods based on algebraic factorization for fluid-structure interaction

Pages (first-last): 62-62

Type of document: Abstract-Conference Paper

ISBN: 978-3-540-69776-3

Legal deposit no.:

Published: Proceedings of ENUMATH 2007, the 7th European Conference on Numerical Mathematics and Advanced Applications, Graz, Austria, September 2007. Springer. 2007.

URL to publication:

Conference edition: European Conference on Numerical Mathematics and Advanced Applications 2007

Type of conference edition: Congrès

Year: 2007

Town/city: Graz

Country: Àustria

Authors: Badia, S.; Fabio, N.; Vergara, C.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Fluid-structure partitioned procedures based on Robin transmission conditions

Pages (first-last): 1-1

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Conference edition: USNCCM9 - 9th US National Congress on Computational Mechanics

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Year: 2007

Town/city: San Francisco

Country: Estats Units d'Amèrica

Authors: Badia, S.; Bochev, P.; Gunzburger, M.; Lehoucq, R.; Parks, M.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Bridging methods for coupling atomistic and continuum models

Pages (first-last): 16-27

Type of document: Article-Conference Paper

ISBN: 978-3-540-78825-6

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Published: Large-Scale scientific computing: 6th international conference, LSSC 2007, Sozopol, Bulgaria, June 5-9, 2007: revised papers. Springer. 2007.

URL to publication: <http://www.informatik.uni-trier.de/~ley/db/conf/lssc/lssc2007.html>

Conference edition: Large-Scale Scientific Computing, 6th International Conference

Type of conference edition: Congrès

Year: 2007

Town/city: Sozopol

Country: Bulgària

Authors: Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Efficient fluid-structure algorithms for large added-mass effect problems

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

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Conference edition: III International Conference on Textile Composites and Inflatable Structures

Type of conference edition: Congrès

Year: 2007

Town/city: Barcelona

Country: Espanya

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Fluid-structure iterative algorithms using pressure segregation methods and their application to bridge aerodynamics

Pages (first-last):

Type of document: Article-Conference Paper

ISBN: 90-9020970-0

Legal deposit no.:

Published: Proceedings of the European Computational Fluid Dynamics Conference (ECCOMAS CFD 2006). P. Wesseling, E. Oñate, J. Periaux / TU Delft. 2006.

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Conference edition: European Computational Fluid Dynamics Conference (ECCOMAS CFD 2006)

Type of conference edition: Congrès

Year: 2006

Town/city: Egmond aan Zee

Country: Països Baixos

Authors: Codina, R.; Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Stabilized velocity-correction methods for incompressible flows based on a discrete pressure Poisson equation

Pages (first-last):

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Published: Proceedings of the European Computational Fluid Dynamics Conference (ECCOMAS CFD 2006). P. Wesseling, E. Oñate, J. Periaux / TU Delft. 2006.

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Conference edition: European Computational Fluid Dynamics Conference (ECCOMAS CFD 2006)

Type of conference edition: Congrès

Year: 2006

Town/city: Egmond aan Zee

Country: Països Baixos

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: The variational multiscale method for transient problems: numerical analysis of the tracking of the subscales

Pages (first-last): 64-64

Type of document: Abstract-Conference Paper

ISBN:

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Published: Proceedings of the 7th World Congress on Computational Mechanics. Omnipress. 2006.

URL to publication: <http://mmc.geofisica.unam.mx/mmc/WCCM-VII/PlaticasWCCM-VII/>

Conference edition: 7th World Congress on Computational Mechanics

Type of conference edition: Congr s

Year: 2006

Town/city: Century City, Los  ngeles

Country: Estats Units d'Am rica

Authors: Codina, R.; Principe, J.; Guasch, O.; Badia, S.

Research groups : (MC)2 - Grup de Mec nica Computacional en Medis Continus

Title: Finite element approximation of turbulent flows using dynamic subscales

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

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Published: 14th International Conference on Finite Elements in Flow Problems. 2006.

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Conference edition: 14th International Conference on Finite Elements in Flow Problems

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Year: 2007

Town/city: Santa Fe

Country: Estats Units d'Am rica

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mec nica Computacional en Medis Continus

Title: Stabilized finite element approximation of the transient convection-diffusion equation using an ALE framework

Pages (first-last): 13-13

Type of document: Abstract-Conference Paper

ISBN:

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Published: MAFELAP Abstracts. 2006.

URL to publication: <http://people.brunel.ac.uk/~abmlap/mafelap2006/ab2006.pdf>

Conference edition: The Mathematics of Finite Elements and Applications 2006

Type of conference edition: Congr s

Year: 2006

Town/city: Uxbridge, London

Country: Regne Unit

Authors: Codina, R.; Badia, S.

Research groups : (MC)2 - Grup de Mec nica Computacional en Medis Continus

Title: Second order fractional step schemes for the incompressible Navier-Stokes equations. Inherent pressure stability and pressure stabilization

Pages (first-last):

Type of document: Article-Conference Paper

ISBN: 7-89494-512-9

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Published: Proceedings CD-ROM of the Sixth World Congress on Computational Mechanics in conjunction with the Second Asian-Pacific Congress on Computational Mechanics. Z.H.Yao, M.W.Yuan and W.X.Zong / Tsinghua University Press, Springer. 2004.

URL to publication:

Conference edition: 6th World Congress on Computational Mechanics

Type of conference edition: Congr s

Year: 2004

Town/city: Beijing

Country: Xina

Authors: Codina, R.; Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Métodos de predicción-corrección basados en esquemas de pasos fraccionados para la resolución de las ecuaciones de Navier-Stokes

Pages (first-last):

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URL to publication: <http://www.lenec.pt>

Conference edition: Congresso de Métodos Computacionais em Engenharia

Type of conference edition: Congrès

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Town/city: Lisboa

Country: Portugal
