

PUBLICATIONS

1971-2018

Last update : January 2018

**Marie Farge, DRI CNRS
LMD-IPSL, ENS Paris
INSMI, section 41**

*All articles can be downloaded from
<http://wavelets.ens.fr> in **Publications***

Articles are numbered from the first one published in 1971.

Color code :

- R Articles published in peer-reviewed journals (R for 'Référés')*
 - C Articles published in peer-reviewed proceedings (C for 'Conférences')*
 - O Articles published in books (O for 'Ouvrages')*
 - D Other articles (D for 'Divers')*
-

2018

404-R103

Romain Nguyen van yen, Mathias Waidmann, Rupert Klein, Marie Farge and Kai Schneider, 2017
Energy dissipation caused by boundary layer instability at vanishing viscosity
J. Fluid Mech., under revision
arXiv:1706.00942

403-R102

Thomas Engels, Dmitry Kolomenskiy, Kai Schneider, Marie Farge, Fritz-Olaf Lehmann and Joern Sesterhenn, 2017
Helical vortices generated by flapping wings of bumblebees
Fluid Dyn. Res., **50**, 011419 (21 pages)
<https://doi.org/10.1088/1873-7005/aa908f>

2017

402-C127

Frank Jacobitz, Kai Schneider and Marie Farge, 2017

On the scale-dependent helicity in stably stratified turbulent shear flows

Proceedings of the Pacific Division of AAAS, TCM2017, Waimea, Hawaii Island (USA), 19-23 June 2017, 63

401-R101

Marie Farge, Naoya Okamoto, Kai Schneider and Katsunori Yoshimatsu, 2017

Wavelet-based regularization of the Galerkin truncated three-dimensional incompressible Euler flows

Phys. Rev. E, **96** (6), 063119 (9 pages)

<https://doi.org/10.1103/PhysRevE.96.063119>

arXiv:1711.04017

400-C126

Marie Farge, Naoya Okamoto, Katsunori Yoshimatsu and Kai Schneider, 2017

Wavelet regularization of 3d incompressible Euler flows

16th European Turbulence Conference, 21-24 August, 2017, Stockholm (Sweden), 29422

399-D133

Thomas Engels, Dmitry Kolomenskiy, Kai Schneider, Marie Farge, Fritz-Olaf Lehmann and Joern Sesterhenn, 2017

Massively parallel free-flight simulations of a passive bumblebee in turbulence

Bulletin of the American Physical Society 62(14), 413

398-C125

Benjamin Kadoch, Maxime Bassenne, Mahdi Esmaily-Moghadam, Kai Schneider, Marie Farge and Wouter Bos, 2017

Multi-scale geometrical Lagrangian statistics: Extensions and applications to particle-laden turbulent flows

Center for Turbulence Research, Proceedings of the Summer Program 2016, Stanford University (USA), 53-62

397-O42

Marie Farge, 2017

Scholarly publishing and peer-reviewing in open access

Europe's Future: Open Science, Open Innovation, and Open to the World

Book edited by Carlos Moedas, the European Commissioner for Research, Science and Innovation, and published by the European Commission, 73-82

396-C124

Henja Wehmann, Thomas Engels, Kai Schneider, Marie Farge,
Joern Sesterhenn and Fritz-Olaf Lehmann, 2017

Corrugation alters aerodynamic performance
in flapping insect wings

*110th Annual Conference of the German Zoological Society
(DZG), 12-15 September 2017, Bielefeld University (Germany)*

395-D132

Thomas Engels, Dmitry Kolomenskiy, Kai Schneider,
Marie Farge, Fritz-Olof Lehmann and Joern Sesterhenn, 2017

Bumblebee flight in turbulence: high resolution numerical
simulations

*Movie for the Gallery of Fluid motion, 70th Annual Conference,
Division of Fluid Dynamics, American Physical Society, Denver
(USA), 19-21 November 2017*

394-C123

Romain Nguyen van yen, Marie Farge, Kai Schneider,
Mathias Waidmann and Rupert Klein, 2017

Energy dissipation caused by boundary layer instability at
vanishing viscosity

*16th European Turbulence Conference, 21-24 August, 2017,
Stockholm (Sweden), 29420*

393-O41

Marie Farge et Patricia Mirabile, 2017

Publications scientifiques: changer les pratiques

*'Maths et Langage', ouvrage collectif publié à 10 000 exemplaires
par le CIJM (Comité International des Jeux Mathématiques) et
offert gratuitement lors du 18ième 'Salon de la Culture
Mathématique', 87-92, pour télécharger l'ouvrage*

<http://www.cijm.org/images/documents/90/Maths%20Langages%20express.pdf>

392-C122

Bryan He, Sourabh Apte, Kai Schneider, Benjamin Kadoch
and Marie Farge, 2017

Turbulence and inertial effects in a porous bed:

DNS and flow analysis

*Center for Turbulence Research, Proceedings of the Summer
Program 2016, Stanford University (USA), 63-72*

391-D131

Marie Farge, 2017

RISE report on publishing and peer-reviewing in open access

*Written for the European Commission as member of the RISE
(Research, Innovation and Science Experts) working group, 1-39*

390-C121

Naoya Okamoto, Marie Farge, Kai Schneider
and Katsunori Yoshimatsu, 2017

Wavelet regularisation of three-dimensional incompressible
Euler flows

*Proceedings of the Pacific Division of AAAS, TCM2017,
Waimea, Hawaii Island (USA), 19-23 June 2017, 72*

389-R100

Teluo Sakurai, Katsunori Yoshimatsu, Kai Schneider, Marie
Farge, Koji Morishita, Takashi Ishihara, 2017

Coherent structure extraction in turbulent channel flow using
boundary adapted wavelets

J. of Turbulence, 18(4), 352-375

arXiv preprint arXiv:1607.04621

388-D130

Marie Farge, Naoya Okamoto, Kai Schneider
and Katsunori Yoshimatsu, 2017

Wavelet-based regularization of the Galerkin truncated
three-dimensional incompressible Euler equations

Bulletin of the American Physical Society 62(14), 528-529

387-C120

Benjamin Kadoch, Maxime Bassenne, Mahdi Esmaily-Moghadam,
Kai Schneider, Marie Farge and Wouter Bos, 2017

Multiscale curvature angles of inertial particles in turbulent flows

*16th European Turbulence Conference, 21-24 August, 2017,
Stockholm (Sweden), 29270*

386-C119

Frank Jacobitz, Kai Schneider and Marie Farge, 2017

Scale-dependent helical properties of turbulent stratified shear
flows

*16th European Turbulence Conference, 21-24 August, 2017,
Stockholm (Sweden), 29338*

2016

385-D129

Marie Farge, 2016

L'usage purement quantitatif de la bibliométrie est
contre-productif pour la recherche

I2D-Information, Données & Documents, 4, 19

384-C118

Thomas Engels, Dmitry Kolomenskiy, Kai Schneider,

Marie Farge, Fritz-Olaf Lehmann and Jörn Sesterhenn, 2016

Helical vortices generated by flapping wings of bumblebees

IUTAM Symposium 2016 on Helicity, Structures and Singularity in Fluids and Plasma Dynamics

383-D128

Bryan He, Benjamin Kadoch, Sourabh Apte, Marie Farge and Kai Schneider, 2016

Multiscale Lagrangian statistics of curvature angle in pore-scale turbulence

Bulletin of the American Physical Society 61(20), 449

382-R99

Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2016

Structure of sheared and rotating turbulence: multiscale statistics of Lagrangian and Eulerian accelerations and passive scalar dynamics

Phys. Rev. E, 93(1), 013113

381-D127

Kai Schneider, Benjamin Kadoch, Maxime Bassenne, Mahdi Esmaily-Moghadam, Marie Farge, Wouter Bos, 2016

Multiscale geometrical Lagrangian statistics: scale-dependent curvature and torsion angles in particle-laden turbulent flows

Bulletin of the American Physical Society 61(20), 202

380-D126

Marie Farge, 2016

Les revues académiques ne devraient plus appartenir aux maisons d'édition
I2D-Information, Données & Documents, 3, 19

379-C117

Rodrigo Pereira, Romain Nguyen van yen, Kai Schneider and Marie Farge, 2016

Dissipation in adaptive wavelet discretizations

5th Chilean Workshop on Numerical Analysis of Partial Differential Equations (WONAPDE 2016), January 11th-15th 2016, Universidad de Concepcion

378-D125

Marie Farge, 2016

Les chercheurs reprennent le contrôle de la dissémination de leurs oeuvres
I2D-Information, Données & Documents, 2, 19

377-D124

Marie Farge, Thomas Engels, Dmitry Kolomenskiy, Kai Schneider, Fritz-Olaf Lehmann and Jörn Sesterhenn, 2016

Helical vortices generated by flapping wings of bumblebees

Bulletin of the American Physical Society 61(20), 248

376-R98

Seung-Bu Park, Pierre Gentine, Kai Schneider and Marie Farge, 2016

Coherent structures in the boundary and cloud layers: Role of updrafts, subsiding shells, and environmental subsidence

J. Atmospheric Science, **73(4)**, 1789-1814

375-D123

Marie Farge and Kai Schneider, 2016

Applications of continuous and orthogonal wavelet transforms to MHD and plasma turbulence

Bulletin of the American Physical Society, **61(18)**, 42

374-D122

Marie Farge, 2016

Un article scientifique n'est pas une marchandise mais un bien commun

I2D-Information, Données & Documents, **1**, 19

2015

373-C116

Seung-Bu Park, Pierre Gentine, Kai Schneider and Marie Farge, 2015

Detecting coherent structures in large-eddy simulation of shallow convection

American Geophysical Union (AGU) Fall Meeting, 14th-18th December 2015, San Francisco (USA)

372-D121

Marie Farge, Teluo Sakurai, Katsunori Yoshimatsu, Kai Schneider,

Koji Morishita and Takashi Ishihara, 2015

Isotropic boundary-adapted wavelets for coherent vorticity extraction in turbulent channel flows

Bull. Amer. Phys. Soc., **60(21)**, 602

371-R97

Marie Farge and Kai Schneider, 2015

Wavelet transforms and their applications to MHD and plasma turbulence: a review

J. Plasma Phys., **81(6)**, 435810602 (43 pages)

370-C115

Frank Jacobitz, Kai Schneider and Marie Farge, 2015

Multiscale statistics of Lagrangian and Eulerian acceleration in turbulent stratified shear flows

15th European Turbulence Conference, 25-28 August 2015, Delft (Netherlands)

369-D120

Frank Jacobitz, Kai Schneider and Marie Farge, 2015

Lagrangian and Eulerian time-rate of change statistics of fluctuating vorticity in turbulent dstratified shear flows

Bull. Amer. Phys. Soc., **60(21)**, 275-276

368-C114

Frank Jacobitz, Kai Schneider and Marie Farge, 2015

On acceleration statistics in turbulent stratified shear
Flows 9th International Symposium on Turbulence and Shear Flow Phenomena (TSFP-9), June 30th-July 3rd 2015, University of Melbourne (Australia), paper 3C-4, 6 pages

367-D119

Romain Nguyen van yen, Mathias Waidmann, Rupert Klein and Marie Farge, 2015

Interaction of two-dimensional incompressible flow with solid boundaries at vanishing viscosity: boundary layer scaling and detachment
Preprint, Mathematics Department, Freie Universität Berlin (Germany)

366-C113

Katsunori Yoshimatsu, Teluo Sakurai, Kai Schneider, Marie Farge, Koji Morishita and Takashi Ishihara, 2015

Coherent vorticity in turbulent channel flow: a wavelet viewpoint
9th International Symposium on Turbulence and Shear Flow Phenomena (TSFP-9), June 30 - July 3rd 2015, University of Melbourne (Australia), paper 4B-5, 5 pages

2014

365-C112

Romain Nguyen van yen, Mathias Waidmann, Marie Farge, Kai Schneider and Rupert Klein, 2014

Production of dissipative vortices by solid bodies in incompressible fluid flows: comparison between Prandtl, Navier-Stokes and Euler solutions
International Congress of Mathematicians, Seoul (Korea), 412

364-R96

Kai Schneider, Mickael Paget-Goy, Alberto Verga and Marie Farge, 2014
Numerical simulation of impulsively started and uniformly accelerated plates
Computational and Applied Mathematics, 33(2), 481-495

363-C111

Katsunori Yoshimatsu, Teluo Sakurai, Kai Schneider, Marie Farge, Koji Morishita and Takashi Ishihara, 2014

Coherent vorticity extraction in turbulent channel flow using anisotropic wavelets
67th Annual Conference, Division of Fluid Dynamics, American Physical Society, 23-25 November 2014, San Francisco (USA), Bull. Amer. Phys. Soc., 59(20), 400

362-O40

Marie Farge, Keith Moffatt and Kai Schneider, 2014

Fundamental problems of turbulence : 50 years after the Turbulence Colloquium Marseille of 1961
EDP Sciences, 508 pages, ISBN 978-2-7598-1145-8

361-C110

Romain Nguyen van yen, Marie Farge, Mathias Waidmann,
Rupert Klein and Kai Schneider, 2014

Unsteady boundary layer detachment in planar flows at large
Reynolds number

*67th Annual Conference, Division of Fluid Dynamics, American
Physical Society, 23-25 November 2014, San Francisco (USA),
Bull. Amer. Phys. Soc., 59(20), 264*

360-R95

Naoya Okamoto, Katsunori Yoshimatsu, Kai Schneider
and Marie Farge, 2014

Small-scale anisotropic intermittency in magnetohydrodynamic
turbulence at low magnetic Reynolds number

Phys. Rev. E, 89, 033013

359-C109

Frank Jacobitz, Kai Schneider and Marie Farge, 2014

Lagrangian and Eulerian Acceleration Statistics in Turbulent
Stratified Shear Flows,

*67th Annual Conference, Division of Fluid Dynamics, American
Physical Society, 23-25 November 2014, San Francisco (USA),
Bull. Amer. Phys. Soc., 59(20), 72*

358-R94

Olivier Pannekoucke, Laure Raynaud and Marie Farge, 2014

A wavelet-based filtering of ensemble background-error variances

Quarterly J. Royal Meteor. Soc., 140(678), 316-327

2013

357-R93

Marie Farge, Keith Moffatt and Kai Schneider, 2013

Foreword: Turbulence Colloquium Marseille 2011

J. of Turbulence, 14(9), 39-42

356-C108

Romain Nguyen van yen, Mathias Waidmann, Marie Farge,
Kai Schneider and Rupert Klein, 2013

Production of dissipative vortices by solid bodies in
incompressible fluid flows: comparison between Prandtl,
Navier-Stokes and Euler solutions

*IUTAM Symposium on Vortex Dynamics: Formation, Structure
and Function, March 10-14, 2013, Fukuoka (Japan)*

355-R92

Rodrigo Pereira, Romain Nguyen van yen, Marie Farge
and Kai Schneider, 2013

Wavelet methods for regularizing the inviscid Burgers and the 2D

Euler equations
Phys. Rev. E, **87**, 033017, 1-8

354-D118

Kai Schneider, Rodrigo Pereira and Marie Farge, 2013
Eliminating resonances in the Galerkin-truncated Burgers and Euler equations using wavelet filtering
Bull. Amer. Phys. Soc., **58**(18), 443-444

353-C107

Marie Farge, Romain Nguyen van yen, Mathias Waidmann and Rupert Klein, 2013
Comparison between Prandtl, Navier-Stokes and Euler solutions for 2D flows in the presence of solid boundaries
Annual Conference of the American Physical Society, Division of Fluid Dynamics, Pittsburgh, 24-26th November 2013,
Bull. Amer. Phys. Soc., **58**(16), 384

352-D117

Tim Gowers, ... Farge et al. (with 23 co-authors), 2013
The Elsevier boycott one year on
<http://gowers.wordpress.com>

351-C106

Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2013
On Lagrangian and Eulerian Acceleration in Rotating and Sheared Homogeneous Turbulence
Annual Conference of the American Physical Society, Division of Fluid Dynamics, Pittsburgh, 24-26th November 2013,
Bull. Amer. Phys. Soc., **58**(18), 65

350-D116

Marie Farge, Mathias Waidmann, Kai Schneider and Rupert Klein, 2013
Comparison between Prandtl, Navier-Stokes and Euler solutions for 2D flows in the presence of solid boundaries
Bull. Amer. Phys. Soc., **58**(18), 197

349-C105

Naoya Okamoto, Katsunori Yoshimatsu, Kai Schneider and Marie Farge, 2013
Directional multi-scale statistics of quasi-static magnetohydrodynamic turbulence
Annual Conference of the American Physical Society, Division of Plasma Physics, Denver, 11-13th November 2013, 112

348-D115

Odim Mendes, Kai Schneider, Margarete Domingues, Marie Farge, Nalin Babulal Trivedi, Peter Frick and Romain Nguyen van yen, 2013
Extraction of coherent geomagnetic structures in a GIC event using wavelets

Preprint LMD-ENS-IPSL

347-C104

Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2013
On multiscale accélération statistics in rotating and sheared
homogeneous turbulence
*8th International Symposium on Turbulence and Shear Flow
Phenomena, 28-30 August 2013, Poitiers (France)*

346-D114

George Khujadze, Romain Nguyen van yen, Kai Schneider,
Martin Oberlack and Marie Farge, 2013
Coherent vorticity extraction in turbulent boundary layers using
orthogonal wavelets
Preprint LMD-IPSL

345-C103

Kai Schneider, Rodrigo Pereira, Romain Nguyen van yen
and Marie Farge, 2013
Eliminating resonances in the Galerkin-truncated Burgers and
Euler equations using wavelet filtering
*Annual Conference of the American Physical Society, Division of
Fluid Dynamics, 24-26th November 2013, Pittsburgh (USA),
Bull. Amer. Phys. Soc., 58(18), 443-444*

344-C102

Romain Nguyen van yen, Mathias Waidmann, Marie Farge,
Kai Schneider and Rupert Klein, 2013
Comparison between Prandtl, Navier–Stokes and Euler solutions
for dipole impinging on a wall
*14th European Turbulence Conference, 1-4 September 2013,
Lyon (France)*

343-R91

Katsunori Yoshimatsu, Naoya Okamoto, Yasuhiro Kawahara,
Kai Schneider and Marie Farge, 2013
Coherent vorticity and current density simulation of three-dimensional
magnetohydrodynamic turbulence using orthogonal wavelets
Geo. Astro. Fluid Dyn., 107(1-2), 73-92

342-C101

F. Jacobitz, K. Schneider, W.J.T. Bos and M. Farge, 2013
Scale-dependent statistics of Lagrangian and Eulerian acceleration
in rotating and sheared homogeneous turbulence
*14th European Turbulence Conference, 1-4 September 2013, Lyon
(France)*

341-O39

Marie Farge, Romain Nguyen van yen, Olivier Pannekoek
and Kai Schneider, 2013

Multiscale representations: fractals, random processes and wavelets
Handbook of Environmental Fluid Dynamics, ed. H.J. Fernando,
Taylor & Francis, vol. 2, 311-332

340-C100

Kai Schneider, Dmitry Kolomenskiy, Thomas Engels,

Keith Moffatt, and Marie Farge, 2013

Numerical simulation of the clap-fling-sweep mechanism of
hovering insects

Adv. Scien. Techn., **84**, 57-58

2012

339-C99

Dmitry Kolomenskiy, Keith Moffatt, Marie Farge

and Kai Schneider, 2012

Fluid dynamics of flapping wings associated with change of
domain topology

IUTAM Symposium on Topological Fluid Dynamics, Cambridge
(UK)

338-D113

Douglas Aaronson, ... Farge et al. (avec 33 co-auteurs), 2012

Le coût du savoir

Gazette des Mathématiciens, n° 132, 75-82

337-D112

Kai Schneider, Romain Nguyen van yen, Nicolas Fedorczak,

Frederic Brochard, Gérard Bonhomme, Marie Farge

and Pascale Monier-Garbet, 2012

Tomographic reconstruction of tokamak plasma light emission
using wavelet-vaguelette decomposition,

Bull. Amer. Phys. Soc., **57**(12), 304

336-D111

Dmitry Kolomenskiy, Keith Moffatt, Marie Farge

and Kai Schneider, 2012

Unsteady flow near front and rear stagnation points

Bull. Amer. Phys. Soc., **57** (17), 469

335-C98

Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2012

On helical multiscale characterization of homogeneous turbulence

IUTAM Symposium on Topological Fluid Dynamics, Cambridge
(UK)

334-D110

Marie Farge, Romain Nguyen van yen and Kai Schneider, 2012

Nonstationary boundary layers and energy dissipation in

incompressible flows
Bull. Amer. Phys. Soc., **57** (17), 453

333-D109
Wouter Bos, Frank Jacobitz, Kai Schneider and Marie Farge, 2012
On Helical Multiscale Characterization of Homogeneous
Turbulence
Bull. Amer. Phys. Soc., **57** (17), 399

332-D108
Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2012
Acceleration Statistics in Rotating and Sheared Turbulence
Bull. Amer. Phys. Soc., **57** (17), 457

331-R90
Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2012
On helical multiscale characterization of homogeneous turbulence
J. Turbulence, **13**, n° 35, 1-16

330-C97
Dmitry Kolomenskiy, Keith Moffatt, Marie Farge
and Kai Schneider, 2012
Unsteady boundary layers on flapping wings
23rd ICTAM, Beijing (China)

329-D107
Romain Nguyen van yen, Eric Sonnendrücker, Kai Schneider
and Marie Farge, 2012
Particle-in-Wavelets scheme for the 1D Vlasov-Poisson equations
Bull. Amer. Phys. Soc., **57**(12), 354

328-D106
Douglas Aaronson, ... Farge et al. (with 33 co-authors), 2012
The cost of knowledge
<http://thecostofknowledge.com>

327-R89
Michael Wilczek, Benjamin Kadoch, Kai Schneider, Rudolf Friedrich
and Marie Farge, 2012
Conditional vorticity budget of coherent and incoherent flow contributions in
fully developed homogeneous isotropic turbulence
Phys. Fluids, **24**, 035108, 1-15

326-C96
Katsunori Yoshimatsu, Naoya Okamoto, Yoshi Kawahara, Kai
Schneider and Marie Farge, 2012
Coherent vorticity and current density simulation of magnetohydrodynamic
turbulence
31st JSST International Conference on Simulation Technology, Kobe (Japan),
http://www.jsst.jp/e/JSST2012/paper_list.html

325-D106

Marie Farge, Alex Grossmann, Yves Meyer, Thierry Paul, Jean-Claude Risset, Ginette Saracco et Bruno Torrèsani, 2012
Les ondelettes et le CIRM
Gazette des Mathématiciens, Société Mathématique de France (SMF), **131**, 47-57

324-R88

Romain Nguyen van yen, Nicolas Fedorczak, Frédéric Brochard, Kai Schneider, Marie Farge and Pascale Monier-Garbet, 2012
Tomographic reconstruction of tokamak edge turbulence light emission from single image using wavelet-vaguelette decomposition
Nuclear Fusion, IAEA (International Atomic Energy Agency), **52**, 013005, 1-11

323-D105

Katsunori Yoshimatsu, Naoya Okamoto, Yasuhiro Kawahara, Kai Schneider and Marie Farge, 2012
Coherent vorticity and current density simulation of three-dimensional magnetohydrodynamic turbulence using orthogonal wavelets
Bull. Amer. Phys. Soc., **57**(17), 433

322-C95

Naoya Okamoto, Katsunori Yoshimatsu, Kai Schneider, Marie Farge and Yukio Kaneda, 2012
Coherent vorticity simulation of three-dimensional forced homogeneous isotropic turbulence using orthogonal wavelets
ECCOMAS 2012, Vienna (Austria)

321-R87

Romain Nguyen van yen, Marie Farge and Kai Schneider, 2012
Scale-wise coherent vorticity extraction for conditional statistical modelling of homogeneous isotropic two-dimensional turbulence
Physica D, **241**, 186-201

2011

320-R86

Dmitry Kolomenskiy, Keith Moffatt, Marie Farge and Kai Schneider, 2011
Two- and three-dimensional numerical simulations of the clap-fling-sweep of hovering insects
J. Fluids Struct., **27**, 784-791

319-C94

George Khujadze, Romain Nguyen van yen, Kai Schneider,

Martin Oberlack and Marie Farge, 2011
Coherent vorticity extraction in turbulent boundary layers using
orthogonal wavelets
*Turbulent Boundary Layers, Center for Turbulence Research, Summer
Program 2010, Stanford University and NASA-Ames, 87-96*

318-D104

Marie Farge, 2011

Avis sur les relations entre les chercheurs
et les maisons d'édition scientifique

Comité d'Ethique du CNRS, COMETS-CNRS, 27 Juin 2011, 1-28

317-R85

Katsunori Yoshimatsu, Kai Schneider, Naoya Okamoto,
Yasuhiro Kawahara and Marie Farge, 2011

Intermittency and geometrical statistics of three-dimensional homogeneous
magnetohydrodynamic turbulence : a wavelet viewpoint

Phys. Plasmas, 18, 092304, 1-8

316-D103

Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2011

Helicity and super-helicity in homogeneous turbulent shear flow

Bull. Amer. Phys. Soc., 56(16), 325

315-C93

Michael Wilczek, Benjamin Kadoch, Kai Schneider, Rudolf
Friedrich

and Marie Farge, 2011

Wavelet analysis of the conditional vorticity budget in fully-
developed homogeneous isotropic turbulence

J. Phys. Conf. Ser., 318, 062024, 1-8

314-R84

Romain Nguyen van yen, Benjamin Kadoch, Vivek Kumar, Benjamin
Ménétrier, Marie Farge, Kai Schneider, Diane Douady and Lionel Guez, 2011

Influence of waves on Lagrangian acceleration in 2D turbulent flows

ESAIM Proc., 32, 231-241

313-C92

Frank G. Jacobitz, Kai Schneider, Wouter J.T. Bos and Marie
Farge, 2011

On helical properties of homogeneous turbulence

*Seventh International Symposium on Turbulence and Shear Flow Phenomena,
Ottawa (Canada)*

312-O38

Marie Farge, 2011

Oh! Une idée, c'est si rare!

Wissenschaftskolleg zu Berlin, Yearbook 2009-2010, 62-74

311-R83

Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2011
Influence of initial mean helicity in homogeneous turbulent shear flow
Phys. Rev. E, **84**, 056319, 1-8

310-D101

Marie Farge, Romain Nguyen van yen and Kai Schneider, 2011
Energy dissipating structures in turbulent boundary layers
Bull. Amer. Phys. Soc., **56**(18), 264

309-R82

Naoya Okamoto, Katsunori Yoshimatsu, Kai Schneider and Marie Farge, 2011
Directional and scale-dependent statistics of quasi-static magnetohydrodynamic turbulence
ESAIM Proc., **32**, 95-102

308-C91

George Khujadze, Romain Nguyen van yen, Kai Schneider, Martin Oberlack and Marie Farge, 2011
Coherent vorticity extraction using orthogonal wavelets: application to turbulent boundary layers
Seventh International Symposium on Turbulence and Shear Flow Phenomena, Ottawa (Canada)

307-C90

Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2011
Helical properties of sheared and rotating turbulence
J. Phys. Conf. Ser., **318**, 082025, 1-6

306-R81

Romain Nguyen van yen, Eric Sonnendrücker, Kai Schneider and Marie Farge, 2011
Particle-in-wavelet scheme for the one-dimensional Vlasov-Poisson equations
ESAIM Proc., **32**, 134-148

305-C89

Romain Nguyen van yen, Marie Farge and Kai Schneider, 2011
The effect of walls on energy dissipation in two-dimensional flows in the high Reynolds number limit
Seventh International Symposium on Turbulence and Shear Flow Phenomena, July 2011, Ottawa (Canada)

304-R80

Benjamin Kadoch, Khartik Iyer, Diego Donzis, Kai Schneider, Marie Farge and P. K. Yeung, 2011
On the role of vortical structures for turbulent mixing using direct numerical simulation and wavelet-based coherent vorticity extraction
J. Turbulence, **12**(20), 1-17

303-C88

Dmitry Kolomenskiy, Keith Moffatt, Marie Farge
and Kai Schneider, 2011
Three-dimensional flow near the flapping wings
International Workshop on Bio-inspired Robots 2011,
April 2011, Nantes (France)

302-R79

Romain Nguyen van yen, Marie Farge and Kai Schneider, 2011
Energy dissipating structures produced by walls in two-dimensional flows at
vanishing viscosity
Phys. Rev. Lett., **106**(8), 184502, 1-4

301-D100

Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2011
Direct numerical simulations of homogeneous turbulent shear flow
with initial mean helicity
Bull. Amer. Phys. Soc., **56**(18), 151

300-C87

Romain Nguyen van yen, Marie Farge and Kai Schneider, 2011
Coexistence of two dissipative mechanisms in two-dimensional
turbulent flows
J. Phys. Conf. Ser., **318**, 042057, 1-5

299-R78

Dmitry Kolomenskiy, Keith Moffatt, Marie Farge and Kai Schneider, 2011
The Lighthill-WeisFogh clap-fling-sweep mechanism revisited
J. Fluid Mech., **676**, 572-606

298-C86

George Khujadze, Romain Nguyen van yen, Kai Schneider,
Martin Oberlack and Marie Farge, 2011
Coherent vorticity extraction in turbulent boundary layers
using orthogonal wavelets
J. Phys. Conf. Ser., **318**, 022011, 1-10

297-R77

Shimpei Futatani, Wouter Bos, Diego del Castillo-Negrete, Kai Schneider
and Marie Farge, 2011
Coherent vorticity extraction in resistive drift-wave turbulence: comparison of
orthogonal wavelets versus proper orthogonal decomposition
*C. R. Acad. Sci. Paris, Physique, Special Issue on 'Propagation and
Plasmas'*, **12**(2), 123-131

296-D99

Benjamin Kadoch, Michael Wilczek, Kai Schneider, Rudolf
Friedrich and Marie Farge, 2011
Wavelet versus Fourier analysis of the conditional vorticity budget
in fully-developed homogeneous isotropic turbulence
Bull. Amer. Phys. Soc., **56**(18), 40

295-R76

Naoya Okamoto, Katsunori Yoshimatsu, Kai Schneider, Marie Farge and Yukio Kaneda, 2011

Coherent vorticity simulation of three-dimensional forced homogeneous isotropic turbulence

SIAM Multiscale Model. Simul., **9**(3), 1144-1161

294-C85

Naoya Okamoto, Katsunori Yoshimatsu, Kai Schneider and Marie Farge, 2011

Intermittency of quasi-static magneto hydrodynamic turbulence: a wavelet viewpoint

J. Phys. Conf. Ser., **318**, 072035, 1-5

293-D98

Kai Schneider, Katsunori Yoshimatsu, Naoya Okamoto, Yasuhiro Kawahara and Marie Farge, 2011

Intermittency and geometrical statistics of 3D homogeneous magnetohydrodynamic turbulence using wavelets

Bull. Amer. Phys. Soc., **56**(16), 325

2010

292-C84

Naoya Okamoto, Katsunori Yoshimatsu, Yuji Kondo, Kai Schneider and Marie Farge, 2010

Coherent vorticity and current extraction in 3D homogeneous magnetohydrodynamic turbulence: comparison between wavelet and Fourier filtering

Proceedings of ECCOMAS-CFD-2010, 5th European Conference on Computational Fluid Dynamics, eds. J.C.F. Pereira and A. Sequeira, 01379, 1-12

291-D97

George Khujadze, Romain Nguyen van yen, Kai Schneider, Martin Oberlack and Marie Farge, 2010

Coherent vorticity extraction in turbulent boundary layers using orthogonal wavelets

Bull. Amer. Phys. Soc., **55**(16), 206

290-R75

Katsunori Yoshimatsu, Yuji Kondo, Kai Schneider, Naoya Okamoto, Hiroyuki Hagiwara and Marie Farge, 2010

Coherent vortex extraction from three-dimensional homogeneous isotropic turbulence : comparison of wavelet and Fourier nonlinear filtering methods

Theor. Appl. Mech. Japan, **58**, 227-233

289-C83

George Khujadze, Romain Nguyen van yen, Xiaohua Wu, Kai Schneider, Martin Oberlack and Marie Farge, 2010
Detection and analysis of coherent structures in turbulent boundary layer flow using wavelets

Biennial Summer Research Program, Center for Turbulence Research, 27 June-23 July 2010, Stanford University and NASA-Ames (USA)

288-R74

Erwan Deriaz, Marie Farge and Kai Schneider, 2010
Craya decomposition using compactly supported biorthogonal wavelets.
Appl. Comput. Harmonic Analysis, Elsevier, 28(3), 267-284

287-C82

Dmitry Kolomenskiy, Keith Moffatt, Marie Farge and Kai Schneider, 2010
Two- and three- dimensional numerical simulations of clap-fling-sweep of hovering insects,

Proceedings of the IUTAM Symposium on Bluff Body Wakes and Vortex-Induced Vibrations BBVIV-6, 22-25 June 2010, Capri Island (Italy)

286-D96

Romain Nguyen van yen, Marie Farge and Kai Schneider, 2010
Coherent enstrophy production and turbulent dissipation in two-dimensional turbulence, with and without walls, for very large Reynolds numbers

Bull. Amer. Phys. Soc., 55(16), 353

285-R76

Romain Nguyen van yen, Diego del Castillo–Negrete, Kai Schneider, Marie Farge and Guangye Chen, 2010

Wavelet–based density estimation for noise reduction in plasma simulation using particles

J. Comput. Phys., Elsevier, 229(8), 2821-2839

284-C81

Romain Nguyen van yen, Marie Farge and Kai Schneider, 2010
Extraction en ondelettes des fluctuations turbulentes cohérentes : application au plasma de bord du tokamak Tore-Supra

Journées Scientifiques de l'URSI (Union Radio-Scientifique Internationale), 'Propagation et Plasmas', 115-142

283-R71

Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2010
On the structure and dynamics of sheared and rotating turbulence: Anisotropy properties and geometrical scale-dependent statistics

Phys. Fluids, 22, 085101

282-D95

Marie Farge, Dmitry Kolomenskiy, Keith Moffatt

and Kai Schneider, 2010
Two- and three-dimensional simulations of the clap-fling-sweep of hovering insects
Bull. Amer. Phys. Soc., **55**(16), 290

281-C80

Benjamin Kadoch, Emmanuel Leriche, Kai Schneider and Marie Farge, 2010
On the role of coherent structures for a lid-driven cavity flow
Notes on Numerical Fluid Mechanics and Multidisciplinary Design, eds. M. Deville, T.H. Lê and P. Sagaut, 110, 207-214, Springer

280-R70

Dmitry Kolomenskiy, Keith Moffatt, Marie Farge and Kai Schneider, 2010
Vorticity generation during the clap-fling-sweep of hovering insects
Theoretic. Comput. Fluid Dynamics, **24**(1-4), 209-215

2009

279-C79

Naoya Okamoto, Katsunori Yoshimatsu, Kai Schneider, Marie Farge and Yukio Kaneda, 2009
Coherent vortex simulation: application to 3D decaying homogeneous isotropic turbulence
Advances in Turbulence, **12**, 759-762

278-R69

Romain Nguyen van yen, Marie Farge and Kai Schneider, 2009
Wavelet regularization of a Fourier–Galerkin method for solving the 2D incompressible Euler equations
ESAIM Proc., **29**, 89-107

277-C78

Marie Farge, Romain Nguyen van yen and Kai Schneider, 2009
Turbulent dissipation and coherent enstrophy production in 2D turbulence, with and without walls, in the vanishing viscosity limit
Euromech Colloquium n°512 on ‘Small-scale Turbulence and Related Gradient Statistics’, 26-29 October 2009, Torino (Italy)

276-D94

Frank Jacobitz, Kai Schneider, Wouter Bos and Marie Farge, 2009
Anisotropy properties and geometrical scale-dependent statistics of sheared and rotating turbulence
Bull. Amer. Phys. Soc., **54**(19), 290

275-C77

Frank Jacobitz, Wouter Bos, Kai Schneider and Marie Farge, 2009
Anisotropy properties of rotating sheared turbulence
Proc. 6th International Symposium on Turbulence and Shear Flow Phenomena (TSFP-6). (Eds. N. Kasagi, J.K. Eaton, R. Friedrich,

J.A.C. Humphrey, A.V. Johansson and H.J. Sung), Vol. II, 785–790

274-C76

Katsunori Yoshimatsu, Naoya Okamoto, Kai Schneider, Yukio Kaneda and Marie Farge, 2009

Intermittency in High-resolution direct numerical simulation of turbulence in a periodic box: a wavelet viewpoint

Advances in Turbulence, 12, 945-949

273-R68

Katsunori Yoshimatsu, Yuji Kondo, Kai Schneider, Naoya Okamoto, Hiroyuki Hagiwara and Marie Farge, 2009

Wavelet-based coherent vorticity and current sheet extraction from isotropic magnetohydrodynamics turbulence

Phys. Plasmas, 16, 082306

272-C75

Michael Schlegel, Bernd Noack, Pierre Comte, Dmitry Kolomenskiy,

Kai Schneider and Marie Farge, 2009

Coherent structure extraction for jet noise prediction

Euromech Colloquium, 504, 'LES of Aerodynamics and Aeroacoustics', 23-25 March 2009, Munich (Germany)

271-C74

Marie Farge, Romain Nguyen van yen and Kai Schneider, 2009

Turbulent dissipation and production in two-dimensional turbulence

Proceedings of the International Symposium on Turbulence, 21-25 Sept. 2009, Beijing (China)

270-R67

G. Giruzzi, ..., M. Farge et al. (with 229 co-authors), 2009

Investigation of steady-state tokamak issues by long pulse experiments on Tore Supra

Nuclear Fusion, IAEA (International Atomic Energy Agency), 49, 104010, 1-12

269-D93

Joseph Mariani, Jean-Michel Besnier, Jacques Bordé, Jean-Michel Cornu, Marie Farge, Jean-Gabriel Ganascia, Jean-Paul Haton, Evelyne Serverin, 2009
Pour une éthique de la recherche en Sciences et Technologies de l'Information et de la Communication (STIC)

Avis du Comité d'Ethique du CNRS (COMETS), 12 Novembre 2009, 1-75

268-D92

Naoya Okamoto, Katsunori Yoshimatsu, Kai Schneider, Marie Farge and Yukio Kaneda, 2009

Coherent vortex simulation of 3D homogeneous isotropic turbulence

Bull. Amer. Phys. Soc., **54**(19), 304

267-R66

Marie Farge, Romain Nguyen van yen and Kai Schneider, 2009
Turbulent dissipation and coherent enstrophy production in 2D turbulence,
with and without walls, in the vanishing viscosity limit
Atti della Accademia delle Scienze di Torino, **142**, 48-50

266-C73

Katsunori Yoshimatsu, Yuji Kondo, Kai Schneider, Naoya
Okamoto, Hiroyuki Hagiwara and Marie Farge, 2009
Coherent vortex extraction from three-dimensional homogeneous
isotropic turbulence: Comparison of wavelet and Fourier nonlinear
filtering methods
*National Congress of Theoretical and Applied Mechanics, Tokyo
(Japan)*

265-R65

Jori Ruppert-Felsot, Marie Farge and Philippe Petitjeans, 2009
Wavelet tools to study intermittency: application to vortex bursting
J. Fluid Mech., **636**, 427-453

264-C72

Frank Jacobitz, Wouter Bos, Kai Schneider and Marie Farge, 2009
Structural features of rotating sheared turbulence
Advances in Turbulence, **12**, 423-426

263-R64

Katsunori Yoshimatsu, Naoya Okamoto, Kai Schneider, Yukio Kaneda
and Marie Farge, 2009
Intermittency and scale dependent statistics in fully developed turbulence
Phys. Rev. E, **79**, 026303

262-C71

Henning Bockhorn, Jordan Denev, Margarete Domingues, C. Falconi, Marie
Farge, Jochen Fröhlich, Sonia Gomes, Igor Molina, Olivier Roussel and Kai
Schneider, 2009
Numerical simulation of turbulent flows in complex geometries using the
Coherent Vortex Simulation approach based on orthonormal wavelet
decomposition
*Notes on Numerical Fluid Mechanics and Multidisciplinary
Design (Ed. C. Brun, D. Juvé, M. Manhart and C. D. Munz),
Springer, 175-200*

261-R63

Dmitry Kolomenskiy, Keith Moffatt, Marie Farge and Kai Schneider, 2009
Vorticity generation during the clap-fling-sweep of hovering insects
Theoret. Comput. Fluid Dynamics, DOI 10.1007/s00162-009-0137-2

260-C70

Benjamin Kadoch, Frédéric Brochard, Nicolas Fedorczak, Gérard Bonhomme, Marie Farge, Philippe Ghendrih, Jamie Gunn, Pascale Hennequin, Pascale Monier-Garbet, Romain Nguyen van yen and Kai Schneider, 2009
A first comparison between probes, fast imaging, and reflectometry synchronous measurements of in edge turbulence
Tore Supra
EPS Conference on Contr. Fusion and Plasma Phys., Prague

259-R62

Benjamin Kadoch, Margarete Domingues, Ingmar Broemstrup, Lionel Larcheveque, Kai Schneider and Marie Farge., 2009
Coherent vortex extraction in 3D homogeneous isotropic turbulence: Influence of the Reynolds number and geometrical statistics
Braz. J. Phys., **39**(2), 2009

258-C69

Michael Schlegel, Bernd Noack, Pierre Comte, Dmitry Kolomenskiy, Kai Schneider, Marie Farge, Dierk Luchtenburg, Jon Scouten and Gilad Tadmor, 2009
Reduced order modelling of turbulent jets for noise control
Notes on Numerical Fluid Mechanics and Multidisciplinary Design (Ed. C. Brun, D. Juvé, M. Manhart and C. D. Munz), Springer, 3-27

257-C68

Romain Nguyen van yen, Marie Farge and Kai Schneider
Coherent enstrophy production and dissipation in 2D turbulence with and without walls
Advances in Turbulence, **12**, 909-913

256-D91

Romain Nguyen van yen, Marie Farge and Kai Schneider, 2009
Wavelet regularization of the 2D incompressible Euler equations
Bull. Amer. Phys. Soc., **54**(19), 39

255-C67

Marie Farge, Jori Ruppert-Felsot and Philippe Petitjeans, 2009
Wavelet Tools to study vortex bursting and turbulence production
Advances in Turbulence, **12**, 724-727

2008

254-D90

Marie Farge et Marie-José Pestel, 2008
La turbulence
Salon de la Culture et des Jeux mathématiques, Comité International des Jeux Mathématiques (CIJM), 20-23

253-C66

Katsunori Yoshimatsu, Naoya Okamoto, Kai Schneider, Marie Farge and Yukio Kaneda, 2008

Wavelet-based extraction of coherent vortices from high Reynolds number homogeneous isotropic turbulence

Proc. of the IUTAM Symposium on Computational Physics and New Perspectives in Turbulence, (Ed. Y. Kaneda), Springer, 235-240

252-R61

Wouter Bos, Shinpei Futatani, Sadruddin Benkadda, Marie Farge and Kai Schneider, 2008

The role of coherent vorticity for turbulent transport in resistive drift-wave turbulence

Phys. Plasmas, 15, 072305

251-D89

Romain Nguyen van yen, Diego del-Castillo-Negrete, Kai Schneider and Marie Farge, 2008

Proper orthogonal decomposition and wavelet methods for noise reduction in particle based transport calculations

Bull. Amer. Phys. Soc., 53(14)

250-C65

Katsunori Yoshimatsu, Naoya Okamoto, Kai Schneider, Marie Farge and Yukio Kaneda, 2008

Wavelet-based extraction of coherent vortices from high Reynolds number homogeneous isotropic turbulence

IUTAM Symposium on Computational Physics and New Perspectives in Turbulence, ed. Y. Kaneda, Springer, 243-248

249-D88

Shinpei Futatani, Wouter Bos, Diego Del-Castillo-Negrete, Kai Schneider, Marie Farge and Saddri Benkadda, 2008

Coherent vortex extraction using proper orthogonal decomposition and wavelet methods

Bull. Amer. Phys. Soc., 53(14), 343

248-R60

Frank G. Jacobitz, Lukas Liechtenstein, Kai Schneider and Marie Farge, 2008

On the structure and dynamics of sheared and rotating turbulence: direct numerical simulation and wavelet-based coherent vortex extraction

Phys. Fluids, 20 (4), 045103

247-C64

Kai Schneider and Marie Farge, 2008

On decaying two-dimensional turbulence in bounded domains

IUTAM Symposium on Computational Physics and New Perspectives in Turbulence, ed. Y. Kaneda, Springer, 249-253

246-D87

Dmitry Kolomenskiy, H. Keith Moffatt, Marie Farge and Kai Schneider, 2008
Flapping wings: viscous effects in Lighthill-WeisFogh mechanism
Bull. Amer. Phys. Soc., **53**(15), 309-310

245-C63

Dmitry Kolomenskiy, Keith Moffatt, Marie Farge
and Kai Schneider, 2008
Vorticity generation during the clapping-sweep of hovering insects
IUTAM symposium "150 Years of Vortex Dynamics",
Copenhagen, Denmark, October 12-16, 2008

244-D86

Jori Ruppert-Felsot, Marie Farge, Philippe Petitjeans, 2008
Wavelet analysis of vortex bursting
Bull. Amer. Phys. Soc., **53**(15)

243-R59

Kai Schneider and Marie Farge, 2008
Final states of decaying 2D turbulence in bounded domains: influence of the
geometry
Physica D, **237**, 2228-2233

242-D85

Wouter Bos, Shinpei Futatani, Kai Schneider, Sadri Benkadda and Marie
Farge, 2008
Turbulent transport in drift-wave turbulence: the role of coherent vorticity
Bull. Amer. Phys. Soc., **53**(14)

241-C62

Kai Schneider and Marie Farge, 2008
On decaying 2D turbulence in bounded domains
*Proc. Of the IUTAM Symposium on Computational Physics and New
Perspectives
in Turbulence, (Ed. Y. Kaneda), Springer, 241-246*

240-D84

Marie Farge, Wouter Bos, Shinpei Futatani, Saddri Benkadda and Kai
Schneider, 2008
Coherent vortex extraction in drift wave turbulence using orthogonal wavelets
Bull. Amer. Phys. Soc., **53**(14), 24, 2008

239-R58

Romain Nguyen van yen, Marie Farge, Dmitry Kolomenskiy, Kai Schneider
and Nick Kingsbury, 2008
Wavelets meet Burgulence: CVS-filtered Burgers equation
Physica D, **237**, 2151-2157

238-D83

Lukas Liechstenstein, Kai Schneider, Frank Jacobitz and Marie Farge, 2008
Direct numerical simulation and coherent vortex extraction of sheared
and rotating Turbulent Flow
Bull. Amer. Phys. Soc., **53**(15), 125

237-C61

Jori Ruppert-Felsot, Marie Farge and Philippe Petitjeans, 2008
Wavelet analysis of vortex breakdown
*IUTAM Symposium on Computational Physics and New Perspectives in
Turbulence*,
ed. Y. Kaneda, Springer, 227-232

236-D82

Katsunori Yoshimatsu, Naoya Okamoto, Kai Schneider, Yukio Kaneda
and Marie Farge, 2008
Intermittency and scale dependent statistics in fully-developed turbulence
Bull. Amer. Phys. Soc., **53**(15), 138-139

2007

235-R57

Margarete Domingues, Ingmar Broemstrup, Kai Schneider, Marie Farge,
and Benjamin Kadoch, 2007
Coherent vortex extraction in 3D homogeneous isotropic turbulence
using orthogonal wavelets
ESAIM Proc., **16**, 164-180

234-O37

Marie Farge, 2007
Hermann von Helmholtz (1821-1894)
Multimedia Fluid Mechanics, ed. G. Homsy, Cambridge University Press

233-C60

Tanja Weller, Kai Schneider, Martin Oberlack and Marie Farge, 2007
Studying streamwise rotation variations of a turbulent channel flow
using DNS and CVE
Turbulence and Shear Flow Phenomena V, 661-666

232-D81

Romain Nguyen van yen, Marie Farge et Kai Schneider, 2007
Généralisation de l'algorithme itératif en base d'ondelettes pour l'extraction
des structures cohérentes dans les signaux de Tore Supra
Rapport CEA-EURATOM, Cadarache, 1-51

231-O36

Marie Farge, Jacques Lewalle and Kai Schneider, 2007
Wavelet transforms
Handbook of Experimental Fluid Mechanics, eds. C. Tropea, A. Yarin and J.F.
Foss, Springer, 1378-1398

230-R56

Naoya Okamoto, Katsunori Yoshimatsu, Kai Schneider, Marie Farge and Yukio Kaneda, 2007

Coherent vortices in high resolution DNS of homogeneous isotropic turbulence :

a wavelet viewpoint

Phys. Fluids, **19** (11), 11519, 1-13

229-D80

Wouter Bos, S. Futatani, Kai Schneider, Marie Farge and Sadruddin Benkadda, 2007

Turbulent transport in drift wave turbulence: the role of coherent vorticity in bounded domains

Bull. Amer. Phys. Soc., **52** (16), 236

228-C59

Kai Schneider and Marie Farge, 2007

Final states of decaying 2D turbulence in different geometries with no-slip walls

Advances in Turbulence, **11**, 147-149

227-R55

Erwan Deriaz, Magarete Domingues, Marie Farge, Valérie Perrier and Kai Schneider, 2007

Divergence-free wavelets for coherent vortex extraction in 3D homogeneous isotropic turbulence

ESAIM Proc., **16**, 146-163

226-D79

Olivier Roussel, Kai Schneider and Marie Farge, 2007

Coherent Vortex Simulation (CVS) of compressible turbulent mixing layers using adaptive multiresolution methods

Bull. Amer. Phys. Soc., **52** (17), 256-257

225-C58

Jori Ruppert-Felsot, Marie Farge and Philippe Petitjeans, 2007

Analysis of a bursting vortex using continuous and orthogonal wavelets

Advances in Turbulence, **11**, 248-250

224-O35

Kai Schneider and Marie Farge, 2007

On decaying two-dimensional turbulence in a circular container, 'Frontiers of Computational Science',

eds. Y. Kaneda, H. Kawamura and M. Sasai, Springer, 89-95

223-C57

Katsunori Yoshimatsu, Naoya Okamoto, Kai Schneider, Marie Farge and Yukio Kaneda, 2007

Contribution of coherent and incoherent vorticity fields to high Reynolds

number homogeneous isotropic turbulence : a wavelet viewpoint
Advances in Turbulence, **11**, 535-537

222-R54

Salimou Gassama, Eric Sonnendrücker, Kai Schneider, Marie Farge
and Margarete Domingues, 2007

Wavelet denoising for post-processing of a 2D particle-in-cell code
ESAIM Proc., **16**, 195-210

221-O34

Marie Farge, 2007

Numerical experimentation: a third way to study Nature,
'Frontiers of Computational Science',
eds. Y. Kaneda, H. Kawamura and M. Sasai, Springer, 15-28

2006

220-R53

Marie Farge, Kai Schneider and Pascal Devynck, 2006

Extraction of coherent bursts in turbulent edge plasma using orthogonal
wavelets

Phys. Plasmas, **13** (2), 042304

219-D78

Kai Schneider and Marie Farge, 2006

On the long time behaviour of decaying two--dimensional turbulence
in bounded domains

Bull. Amer. Phys. Soc., **51** (9), 98

218-R52

Gaele Perret, Alexandre Stegner, Marie Farge and Thierry Pichon, 2006

Cyclone and anticyclone asymmetry of large scale wakes in laboratory

Phys. Fluids, **18** (03), 036603

217-C57

Tania Weller, Kai Schneider, Martin Oberlack and Marie Farge, 2006

DNS and wavelet analysis of a turbulent channel flow rotating about the
streamwise direction

Turbulence, Heat and Mass Transfer V, eds. K. Hanjalic, Y. Nagano and S.
Jakirlic,
1, 163-166

216-R51

Marie Farge et Kai Schneider, 2006

Foreword for the special issue on 'Large Eddy Simulation, Coherent Vortex
Simulation and Vortex Methods' dedicated to the memory of Joel Ferziger

J. Turbulence, **7** (42), 1-2

215-D77

Jori Ruppert-Felsot, Marie Farge and Philippe Petitjeans, 2006
Study of vortex breakdown using orthogonal wavelets
Bull. Amer. Phys. Soc., **51** (9), 118

214-O33

Marie Farge and Kai Schneider, 2006

Wavelets: application to turbulence

Encyclopedia of Mathematical Physics, eds. J.P. Francoise, G. Naber and T. S. Tsun, Elsevier, 408-419

213-C56

Lucas Liechtenstein, Fabien Godeferd, Claude Cambon, Marie Farge and Kai Schneider, 2006

Coherent vortex extraction in rotating and stratified turbulence

International Conference on Turbulence and Interactions, Porquerolles (France),

May 29th-June 2nd 2006

212-R50

Kai Schneider, Marie Farge, Alexandre Azzalini and Jörg Ziuber, 2006

Coherent vortex extraction and simulation of two-dimensional isotropic turbulence

J. Turbulence, **7** (44), 1-24

211-D76

Lukas Liechtenstein, Kai Schneider, Fabien Godeferd, Marie Farge and Claude Cambon, 2006

Quantifying anisotropy in stratified and rotating turbulence using orthogonal wavelets

Bull. Amer. Phys. Soc., **51** (9), 145

210-C55

Marie Farge, Kai Schneider, Katsunori Yoshimatsu, Naoya Okamoto and Yukio Kaneda, 2006

Wavelet-based extraction of coherent vortices from homogeneous isotropic turbulence

IUTAM Symposium on Computational Physics and New Perspectives in Turbulence,

Nagoya, September 11-14 2006

209-R49

Gaele Perret, Alexandre Stegner, Thomas Dubos, Jean-Marc Chomaz and Marie Farge, 2006

Stability of parallel wake flows in quasi-geostrophic and frontal regimes

Phys. Fluids, **18** (12), 126602

208-O32

Kai Schneider and Marie Farge, 2006

Wavelets: theory

Encyclopedia of Mathematical Physics, eds. J.P. Francoise, G. Naber and T. S.

2005

207-R48

Olivier Roussel, Kai Schneider and Marie Farge, 2005
Comparison of orthogonal and biorthogonal wavelets
for coherent structures extraction
J. Turbulence, 6 (11), 1-15

206-D75

Marie Farge, Kai Schneider, Katsunori Yoshimatsu, Naoya Okamoto
and Yukio Kaneda, 2005
Extraction of coherent vortices from high resolution DNS of homogeneous
isotropic turbulence
Bull. Amer. Phys. Soc., 50 (9), 112-113

205-C54

Marie Farge, Kai Schneider and Pascal Devynck, 2005
Extraction of coherent bursts from turbulent edge plasma in magnetic fusion
devices from orthogonal wavelets
11th european Fusion Theory Conference, Aix, 26-28 September 2005

204-D74

Marie Farge, 2005
Définition des mots ‘Ondelettes’ et ‘Transformée en ondelettes’
*Rapport pour la Commission de Terminologie, Délégation Générale à la
Langue Française et aux Langues de France, Académie Française, Mars 2005*

203-R47

Kai Schneider and Marie Farge, 2005
Decaying two-dimensional turbulent flow in a circular container
Phys. Rev. Lett., 95, 244502

202-D73

Marie Farge, Kai Schneider and Pascal Devynck, 2005
Extraction of coherent bursts from turbulent edge plasma in Tokamak Tore-
Supra using orthogonal wavelets
Bull. Amer. Phys. Soc., 50 (8), 319

201-R46

Kai Schneider and Marie Farge, 2005
Numerical simulation of the transient flow behaviour in tube bundles
using a volume penalisation method
J. Fluids and Structures, 20(4), 555-566

200-D72

Ingmar Broemstrup, Marie Farge, Kai Schneider and William Dorland, 2005
Wavelet analysis of gyrokinetic turbulence

Bull. Amer. Phys. Soc., **50** (8), 93

199-C53

Kai Schneider and Marie Farge, 2005

Coherent vortex simulation (CVS) of a flow past a NACA 23012 airfoil at Reynolds 1000

Turbulence and Shear Flow Phenomena IV, eds. J.A.C. Humphreys et al., 2, 515-518

198-D71

Marie Farge, Kai Schneider et Pascal Devynck, 2005

Extraction des bouffées cohérentes dans les plasmas de bord des machines de fusion par confinement magnétique à l'aide des ondelettes orthogonales

Rapport CEA-EURATOM, Cadarache, 1-15

197-R45

Kai Schneider, Marie Farge, Giulio Pellegrino and Michael Rogers, 2005

CVS filtering of 3D turbulent mixing layers using orthogonal wavelets

J. Fluid Mech., **534**(5), 39-60

196-D70

Kai Schneider and Marie Farge, 2005

Decaying two--dimensional turbulence in a circular container

Bull. Amer. Phys. Soc., **50** (9), 253

195-C52

Kai Schneider and Marie Farge, 2005

Numerical simulation of dipole-wall interactions using an adaptive wavelet discretization with volume penalization

ENUMATH 2005, eds. A.Bermudez et al., Springer, 822-830

194-R44

Alexandre Azzalini, Marie Farge and Kai Schneider, 2005

Nonlinear wavelet thresholding : A recursive method to determine the optimal denoising threshold

Appl. Comput. Harmonic Analysis, **18** (2), 177-185

2004

193-C51

Kai Schneider and Marie Farge, 2004

Wavelet analysis of unstrantaneous turbulent flows

International Symposium on Analysis of Instantaneous Turbulent Flows, Kyoto (Japan), 29th October 2004

192-D69

Alexandre Azzalini, Marie Farge and Kai Schneider, 2004

A recursive algorithm for nonlinear wavelet thresholding : applications to signal and image processing

Institut Pierre-Simon Laplace, note NAI, 43, March 2004

191-C50

Kai Schneider and Marie Farge, 2004

Numerical simulation of the transient flow behaviour in tube bundles using a volume penalisation method

Conference on Flow Induced Vibration, eds. E. de Langre and F. Axisa, Editions de l'Ecole Polytechnique, 2, 39-44

190-D68

Marie Farge, Kai Schneider et Pascal Devynck, 2004

Comparaison des différentes méthodes d'extraction des structures cohérentes dans

le plasma de bord du tokamak Tore Supra: ondelettes discrètes non orthogonales, ondelettes et paquets d'ondelettes orthogonaux

Rapport CEA-EURATOM, Cadarache, 1-37

189-C49

Marie Farge, Alexandre Azzalini, Michele Caldro, and Kai Schneider, 2004

Rotating shallow water flow in a cylindrical container: direct numerical simulation

and extraction of coherent vortices

Advances in Turbulence, 10, 826

188-D67

Kai Schneider and Marie Farge, 2004

Numerical study of transient flows in tube arrays : influence of the tube geometry

Bull. Amer. Phys. Soc., 49 (9), 147

187-C48

Jori Ruppert-Felsot, Michele Caldro, Marie Farge, Kai Schneider and Harry Swinney, 2004

Coherent structures in rotating turbulent flows : laboratory and numerical experiment

IUTAM Conference on Elementary Vortices and Coherent Structures, Kyoto (Japan), 26th-28th October 2004

186-O31

Kai Schneider, Marie Farge and Nicholas Kevlahan, 2004

Spatial intermittency in turbulence: a wavelet approach

Perspectives in Mathematics and Physics, 34, ed. N. Tongring and R.C. Penner,

World Scientific, 302-328

185-C47

Carsten Beta, Kai Schneider and Marie Farge, 2004

Mixing in 2D isotropic turbulence: a numerical study using orthogonal wavelet filtering

Advances in Turbulence, 10, 271-274

184-D66

Marie Farge, Olivier Roussel and Kai Schneider, 2004

Coherent vortex extraction in homogeneous isotropic turbulence using wavelets : orthogonal versus biorthogonal decompositions

Bull. Amer. Phys. Soc., **49** (9), 48

183-C46

Kai Schneider and Marie Farge, 2004

Coherent Vortex Simulation (CVS) of dipole-wall interaction using volume penalisation

Advances in Turbulence, **10**, 621-624

182-D65

Kai Schneider and Marie Farge, 2004

Coherent Vortex Simulation (CVS) of vortex-dipoles impinging on a no-slip wall

Bull. Amer. Phys. Soc., **49** (9), 31

181-C45

Kai Schneider and Marie Farge, 2004

Direct numerical simulation of a 2D decaying turbulence in a circular domain

Advances in Turbulence, **10**, 83

2003

180-D64

Marie Farge, Michele Caldro, Alexandre Azzalini, Kai Schneider, Jori Ruppert-Felsot, Olivier Praud, Eran Sharon and Harry Swinney, 2003

Nonlinear dynamics of coherent vortices in a rotating turbulent flow: comparison between numerical and laboratory experiments

Bull. Amer. Phys. Soc., **48** (10), 139

179-R43

Marie Farge, Kai Schneider, Giulio Pellegrino, Alan A. Wray and Robert S. Rogallo, 2003

Coherent vortex extraction in 3D homogeneous isotropic turbulence: comparison between CVS and POD decompositions

Phys. Fluids, **15** (10), 2886-2896

178-O30

Marie Farge, Alexandre Azzalini, Alex Mahalov, Basil Nicolaenko, Frank Tse, Giulio Pellegrino and Kai Schneider, 2003

Vortex tubes in shear-stratified turbulence

Tubes, Sheets and Singularities in Fluid Dynamics, ed. K. Bajer and K.H. Moffatt, Kluwer, 217-228

177-D63

Gaële Perret, Marie Farge, Alexandre Stegner, Alexandre Azzalini

and Kai Schneider, 2003

The effect of rotation on a shallow water flow past a cylinder: comparison between numerical and laboratory experiments

Bull. Amer. Phys. Soc., **48** (10), 139

176-R42

Carsten Beta, Kai Schneider and Marie Farge, 2003

Wavelet filtering to study mixing in 2D isotropic turbulence

Comm. in Nonlinear Science and Numerical Simulation, **8** (3-4), 537-545

175-C44

Gaële Perret, Marie Farge, Alexandre Stegner, Alexandre Azzalini and Kai Schneider, 2003

Rotating shallow water flow past an obstacle : numerical and laboratory experiments

International Symposium on Shallow Flows, ed. G.H. Jirka and W.S.J. Uijtewaal, Taylor&Francis, 137-142

174-D62

Marie Farge, Kai Schneider et Pascal Devynck, 2003

Extraction des événements cohérents et estimation des flux de particules dans les signaux de plasma de bord à l'aide des ondelettes et des paquets d'ondelettes

Rapport CEA-EURATOM, Cadarache, 1-47

173-C43

Kai Schneider, Mickael Paget-Goy, Giulio Pellegrino, Alberto Verga and Marie Farge, 2003

Direct Numerical Simulation of an impulsively started, or uniformly accelerated,

plate at $Re=9500$ using wavelet method with penalisation

Turbulence and Shear Flow Phenomena III, **1**, 407-412

172-C42

Pascal Devynck, Marie Farge, Kai Schneider et al., 2003

Diffusive and convective parts of the turbulent flux in the SOL of tokamaks

Controlled Fusion and Plasma Physics, **27** (A), 168-173

171-D61

Carsten Beta, Kai Schneider and Marie Farge, 2003

Study of mixing in two-dimensional turbulence

Bull. Amer. Phys. Soc., **48** (10), 186

170-R41

Carsten Beta, Kai Schneider, Marie Farge and Henning Bockhorn, 2003

Numerical studies of the mixing of passive and reactive scalars in two-dimensional turbulent flow using orthogonal wavelet filters

Chem. Eng. Sci., **58**, 1463-1477

169-D60

Jori Ruppert-Felsot, Olivier Praud, Eran Sharon, Harry Swinney, Michele

Caldoro, Marie Farge, Alexandre Azzalini and Kai Schneider, 2003
Comparison between wavelet packets and wavelets for coherent vortex
extraction
in a rotating turbulent flow
Bull. Amer. Phys. Soc., **48** (10), 139

168-O29

Kai Schneider and Marie Farge, 2003
Extraction of coherent vortex tubes in a 3D mixing layer
Tubes, Sheets and Singularities in Fluid Dynamics, ed. K. Bajer and K.H.
Moffatt, Kluwer, 211-216

167-D59

Kai Schneider, Giulio Pellegrino, Marie Farge and Michael Rogers 2003
CVS-filtered turbulent 3D mixing layers
Bull. Amer. Phys. Soc., **48** (10), 153

2002

166-D58

Marie Farge, Gaële Perret, Alexandre Azzalini and Kai Schneider, 2002
Numerical simulation of rotating shallow water flow past a cylinder using
spectral method and Brinkman penalisation
Bull. Amer. Phys. Soc., **47** (10), 58

165-R40

Kai Schneider and Marie Farge, 2002
Adaptive wavelet simulation of a flow around an impulsively started cylinder
using penalisation
Appl. Comput. Harmonic Analysis, **12**, 374-380

164-D57

Kai Schneider, Mickaël Paget-Goy, Giulio Pellegrino and Marie Farge, 2002
Numerical simulation of an impulsively started plate with riblet at $Re=9500$
using wavelet and Fourier methods with penalisation
Bull. Amer. Phys. Soc., **47** (10), 33

163-O28

Kai Schneider, Marie Farge, 2002
Coherent Vortex Simulation (CVS) of 2D bluff body flows
using an adaptive wavelet method with penalisation
Numerical Flow Simulation III, **82**, ed. E. H. Hirschel, Springer, 261-270

162-C41

Kai Schneider and Marie Farge, 2002
Coherent Vortex Simulation (CVS) of an impulsively started cylinder
at $Re=3000$ using an adaptive wavelet method with penalisation
Advances in Turbulence, **9**, 471-474

161-D56

Marie Farge and Kai Schneider, 2002

Analysing and compressing turbulent fields with wavelets

Institut Pierre-Simon Laplace, note NAI, 20, April 2002

160-O27

Marie Farge and Kai Schneider, 2002

Analyzing and computing turbulent flows using wavelets

Cours des Houches LXXIV, New trends in turbulence, ed. M. Lesieur,

A. Yaglom and F. David, Springer, 453-503

159-R38

Bartosz Protas, Kai Schneider and Marie Farge, 2002

Geometrical alignment properties in Fourier and wavelet filtered statistically stationary two-dimensional turbulence,

Phys. Rev. E, 66, 4, 046307

158-C40

Giulio Pellegrino, Kai Schneider and Marie Farge, 2002

Coherent Vortex Simulation of a three-dimensional temporally developing turbulent mixing layer

Advances in Turbulence, 9, 341-344

157-D55

Marie Farge, Kai Schneider et Pascal Devynck, 2002

Analyse en ondelettes de signaux de plasmas de bord et extraction des événements cohérents

Rapport CEA-EURATOM, Cadarache, 1-77

156-R37

Carsten Beta, Kai Schneider, Marie Farge and Henning Bockhorn, 2002

Numerische Simulationen von Mischung und chemischer Reaktion mit Spektralverfahren unter Verwendung von Waveletfiltern

Chemie Ingenieur Technik, 74, 1441-1444

2001

155-R36

Marie Farge, Giulio Pellegrino and Kai Schneider, 2001

Coherent vortex extraction in 3D turbulent flows using orthogonal wavelets

Phys. Rev. Lett., 87(55), 054501

154-O26

Kai Schneider, Marie Farge, Frank Koster and Michael Griebel, 2001

Adaptive wavelet methods for the Navier-Stokes equations

Notes on Numerical Fluid Mechanics, ed. E. H. Hirschel, Springer, 303-318

153-D54

Marie Farge, Giulio Pellegrino, Kai Schneider, Frank Tse, Alex Mahalov,

Basil Nicolaenko and Jo Fernando, 2001
Coherent vortex extraction in shear-stratified 3D turbulence using orthogonal wavelets
Bull. of the Amer. Phys. Soc., **46**(10), 51-52

152-R35

Marie Farge and Kai Schneider, 2001
Coherent Vortex Simulation (CVS), a semi-deterministic turbulence model using wavelets,
Flow, Turbulence and Combustion, **66**(4), 393-426, 2001

151-C39

Marie Farge and Alexandre Azzalini, 2001
Continuous wavelet analysis of balanced and unbalanced flows
Newsletter, European Geophysical Society, **78**, 258

150-D53

Marie Farge, Kai Schneider et Pascal Devynck, 2001
Wavelet analysis and coherent structures extraction to study turbulent transport in confined hot plasmas
Rapport CEA-EURATOM, Cadarache, 1-34

149-C38

Giulio Pellegrino, Kai Schneider, Pierre Comte and Marie Farge, 2001
Coherent Vortex Simulation (CVS) of a 3D time developing turbulent mixing layer
Bull. of the Amer. Phys. Soc., **46**, 10, 162

148-O25

Kai Schneider and Marie Farge, 2001
Computing and analysing turbulent flows using wavelets,
Wavelet Transforms and Time-Frequency Signal Analysis,
ed. L. Debnath, Birkhäuser, 181-216

147-C37

Marie Farge, Kai Schneider and Giulio Pellegrino, 2001
Comparing CVS and LES filtering for 3D homogeneous isotropic turbulence
Turbulence and Shear Flow Phenomena, **2**, 2, 171-174

146-D52

Kai Schneider, Carsten Beta and Marie Farge, 2001
Application of CVS filtering to mixing in two-dimensional homogeneous turbulence
Bull. of the Amer. Phys. Soc., **46**, 10, 15

145-O24

Marie Farge, 2001
Turbulence
Dictionnaire Culturel des Sciences, *ed. N. Witkowski, Le Seuil*, 411

144-C36

Kai Schneider, Marie Farge, Giulio Pellegrino and Mike Rogers, 2001
CVS filtering of turbulent mixing layers using orthogonal wavelet decomposition
Turbulence and Shear Flow Phenomena, **2**, 1, 313-316

143-O23

Marie Farge, 2001
Simulation
Dictionnaire Culturel des Sciences, ed. N. Witkowski, *Le Seuil*, 383

2000

142-R34

Marie Farge, Giulio Pellegrino and Kai Schneider, 2000
Wavelet filtering of three-dimensional turbulence.
Z. angew. Math. Mech., **81**, 3, 465-466

141-C35

Marie Farge, Kai Schneider, Giulio Pellegrino, Alan A. Wray
and Robert S. Rogallo, 2000
CVS decomposition of 3D homogeneous turbulence using orthogonal wavelets
Studying Turbulence using Numerical Simulation Databases,
Center for Turbulence Research, Summer Program 2000,
Stanford University and NASA-Ames, 305-317

140-R33

Kai Schneider and Marie Farge, 2000
Numerical simulation of a mixing layer in an adaptive wavelet basis
C. R. Acad. Sci. Paris Serie II, 263-269

139-C34

Marie Farge, Kai Schneider and Giulio Pellegrino, 2000
Vortex tube extraction in three-dimensional turbulence using orthogonal wavelets
Advances in Turbulence, **8**, 797-800

138-D51

Marie Farge, Kai Schneider, Giulio Pellegrino and Alan Wray, 2000
Comparing CVS and LES filtering for 3D homogeneous turbulence
Bull. of the Amer. Phys. Soc., **45**, 9, 45

137-R32

Kai Schneider and Marie Farge, 2000
Coherent Vortex Simulation (CVS) of two-dimensional turbulence
Z. angew. Math. Mech., **81**, 3, 485-486

136-C33

Kai Schneider, Marie Farge, Giulio Pellegrino and Michael Rogers, 2000

CVS filtering of 3D turbulent mixing layers using orthogonal wavelets
*Studying Turbulence using Numerical Simulation Databases, Center for
Turbulence Research, Summer Program 2000, Stanford University and NASA-
Ames, 319-330*

135-D50

Kai Schneider and Marie Farge, 2000

CVS filtering and computation of turbulent mixing layers using orthogonal
wavelets

ERCFTAC Bulletin, 46, September 2000, 18-24

134-C32

Kai Schneider and Marie Farge, 2000

Coherent Vortex Simulation (CVS) of a two-dimensional mixing layer

Advances in Turbulence, 8, 745-748

133-D49

Kai Schneider, Marie Farge, Giulio Pellegrino and Michael Rogers, 2000

CVS filtering of turbulent mixing layers using orthogonal wavelet
decomposition

Bull. of the Amer. Phys. Soc., 45, 9, 45

132-C31

Bartosz Protas, Kai Schneider and Marie Farge, 2000

Alignment properties in wavelet filtered two-dimensional forced turbulence

Advances in turbulence, 8, 793-796

131-D48

Marie Farge, Giulio Pellegrino and Kai Schneider, 2000

Coherent vortex extraction in 3D turbulence using wavelets

Bull. of the Amer. Phys. Soc., 45, 9, 45

130-C30

Marie Farge, 2000

Choice of representation modes and color scales for visualization in CFD

Science and Art Symposium 2000, Zürich, Kluwer, 91-100

1999

129-R31

Marie Farge, Kai Schneider and Nicholas Kevlahan, 1999

Non-Gaussianity and Coherent Vortex Simulation for two-dimensional
turbulence using an orthonormal wavelet basis,

Phys. Fluids, 11(8), 2187-2201

128-C29

Kai Schneider and Marie Farge, 1999

Numerical simulation of forced-two-dimensional turbulence using wavelets

Turbulence and Shear Flow Phenomena, ed. S. Banerjee and J. Eaton,

Begell House, 493-498

127-D47

Kai Schneider and Marie Farge, 1999

Wavelet approach for 2D Navier-Stokes equations: simulations
Newsletter, European Geophysical Society, 56, 133

126-O22

Kai Schneider and Marie Farge, 1999

Approximation en ondelettes en mécanique des fluides numérique
Mécanique des Fluides Numérique, Ecole de Printemps du CNRS, Aussois, 30 May-5 June 1999, 1-144

125-C28

Marie Farge, Nicholas Kevlahan, Claude Bardos et Kai Schneider, 1999

Combining deterministic and statistical approaches to compute
two-dimensional turbulent flows
Trends in Mathematics, eds. A. Tsinober and A. Gyr, Birkhäuser, 163-174

124-O21

Marie Farge, Nicholas Kevlahan, Valérie Perrier and Kai Schneider, 1999

Turbulence analysis, modelling and computing using wavelets
Wavelets in Physics, ed. J. van den Berg, Cambridge University Press, 117-200

123-C27

Marie Farge and Etienne Guyon, 1999

A philosophical and historical journey through mixing and fully-developed
turbulence
Mixing: Chaos and turbulence, ASI NATO Series, ed. E. Villermaux et al., Plenum, 11-36

1998

122-C26

Marie Farge, Kai Schneider and Nicholas Kevlahan, 1998

Coherent structure eduction in wavelet-forced two-dimensional turbulent flows
IUTAM Symposium on Dynamics of Slender Vortices, eds. E. Krause and K. Gersten, Kluwer, 65-83

121-C25

Marie Farge, 1998

Are statistical and deterministic approaches compatible to study fully-
developed turbulence?
*Perspectives in Mathematical Physics: Conference in the Honor of Alex
Grossmann, ed. M. Holschneider and G. Saracco, CPT-98/P.3748, 99-104*

120-O20

Frank Koster, Michael Griebel, Nicholas Kevlahan, Marie Farge

and Kai Schneider, 1998

Towards an adaptive wavelet-based 3D Navier-Stokes solver

Notes on Numerical Fluid Mechanics, ed. E. H. Hirschel, Vieweg, 333-364

119-C24

Kai Schneider, Nicholas Kevlahan and Marie Farge 1998

An adaptive wavelet method compared to nonlinearly filtered pseudo-spectral methods for two-dimensional turbulence

Advances in Turbulence, 7, 147-150

118-O19

Kai Schneider and Marie Farge, 1998

Wavelet approach for modelling and computing turbulence

Advances in Turbulence Modelling, Lecture Series 1998-05,

Von Karman Institute for Fluid Dynamics, Bruxelles, 1-132

117-C23

Kai Schneider and Marie Farge, 1998

Transport and mixing in a wavelet-forced two-dimensional turbulent flow

International Conference on Vortex Methods, ed. A. Giovannini, 89-90

1997

116-R30

Nicholas Kevlahan and Marie Farge, 1997

Vorticity filaments in two-dimensional turbulence: creation, stability and effect

J. of Fluid Mech., 346, 49-76

115-O18

Kai Schneider and Marie Farge, 1997

Vortex excitation in turbulent flows using an adaptive wavelet method

International Conference on' Wavelets and Multiscale Methods,

ed. S. Jaffard, INRIA, 31-37

114-R29

Kai Schneider, Nicholas Kevlahan and Marie Farge 1997

Comparison of an adaptive wavelet method and nonlinearly filtered

pseudo-spectral methods for the two-dimensional Navier-Stokes equations

Theoretic. Comput. Fluid Dynamics, 9, 191-206

113-R28

Kai Schneider and Marie Farge, 1997

Wavelet forcing for numerical simulation of two-dimensional turbulence

C. R. Acad. Sciences Paris, 325, *Série IIb*, 263-270

1996

112-R27

Marie Farge, Yann Guezennec and Charles Meneveau, 1996
Two-dimensional wavelet analysis of channel flow and mixing layer
Nonlinear Processes in Geophysics, accepted

111-O17

Mladen Victor Wickerhauser, Marie Farge and Eric Goirand, 1996
Theoretical dimension and the complexity of simulated turbulence
Multiresolution Analysis and Wavelets for the Numerical Solution of PDEs,
ed. W. Dahmen, A. J. Kurdila and P. Oswald , Academic Press, 473-492

110-R26

Marie Farge, Nicholas Kevlahan, Valerie Perrier and Eric Goirand, 1996
Wavelets and turbulence
IEEE Proceedings, Special Issue on Wavelets, ed. I Daubechies
and J. Kovasevic, 84, 4, 1996, 639-669

1994

109-C22

Marie Farge, 1994
Wavelets and two-dimensional turbulence
Computational Fluid Dynamics, ed. S. Wagner et al., J. Wiley, 1-32

108-O16

Eric Goirand, Victor Wickerhauser and Marie Farge, 1994
A parallel two-dimensional wavelet packet transform and some applications in
computing and compression analysis
Applications of Wavelets to Chemical Engineering, ed. B. Joseph and R.
Motard, Kluwer, 275-319

107-D46

Jean-François Colonna et Marie Farge, 1994
Science pour l'art
Ecole Polytechnique, film video, Janvier 1994, 10' 13''

106-O15

Victor Wickerhauser, Marie Farge, Eric Goirand, Eva Wesfreid
and Echeide Cubillo, 1994
Efficiency comparison of wavelet packet and adapted local cosine bases
for compression of a two-dimensional turbulent flow
Wavelets: Theory, Algorithms and Applications, ed. Chui et al., 509-531

1993

105-O14

Marie Farge, Julian Hunt and Cristos Vassilicos, 1993
Wavelets, fractals and Fourier transforms: new developments and new
applications

Clarendon, Oxford

104-C21

Marie Farge, 1993

Wavelets and wavelet packets to analyse, filter and compress two-dimensional turbulent flow

Probability Concepts in Physical Oceanography, ed. P. Müller, Hawaii University Press, 131-159

103-O13

Julian Hunt, Nicolas Kevlahan, Cristos Vassilicos and Marie Farge 1993

Wavelets, fractals and Fourier transforms: detection and analysis of structure

Wavelets, Fractals and Fourier Transforms: New Developments and New Applications, eds. Marie Farge et al., 1-38

102-C20

Marie Farge and Thierry Philipovitch, 1993

Coherent structures analysis and extraction using continuous wavelets

Progress in Wavelet Analysis and Applications, eds. Yves Meyer and Sylvie Roques, Editions Frontière, 477-481

101-O12

Marie Farge et Stéphane Jaffard, 1993

Analyse de Fourier et ondelettes

Encyclopedia Universalis, La Science au Présent, tome 1, 189-190

1992

100-R25

Marie Farge, 1992

Wavelet transforms and their applications to turbulence

Ann. Rev. Fluid Mech., 24, 395-457

99-C19

Marie Farge, 1992

Wavelets and turbulence

Geophysical Fluid Dynamics, ed. B. Legras, CNRS-INSU, 25-32

98-R24

Marie Farge, Eric Goirand, Yves Meyer, Frédéric Pascal and Mladen Victor Wickerhauser, 1992

Improved predictability of two-dimensional turbulent flows using wavelet packet compression

Fluid Dyn. Res., 10, 229-250

97-O11

Marie Farge, 1992

Evolution des théories sur la turbulence développée

Chaos et Déterminisme, eds. Amy Dahan et al., Le Seuil, 212-245

96-R23

Marie Farge, Matthias Holschneider et Thierry Philipovitch, 1992
Formation et stabilité des structures cohérentes quasi-singulières
en turbulence bidimensionnelle
C. R. Acad. Sci. Paris, **315**, série II, 1585-1592

95-D45

Marie Farge, 1992
Comparison between wavelet packet and nonlinear Fourier compression
of a 2D turbulent flow
Centre de Calcul Vectoriel pour la Recherche, film video n° 69,
Décembre 1992, 10' 13 ''

1991

94-R22

Marie Farge, 1991
Wavelet analysis of coherent structures in two-dimensional turbulent flows
Phys. Fluids A, **3**, 9, 2029

93-O10

Marie Farge, 1991
Continuous wavelet transform application to turbulence
Wavelets and their Applications, ed. R. Coifman et al., Jones and Barlett, 275-
302

92-D44

Marie Farge, 1991
Comparison between wavelet packet and linear Fourier compression
of a 2D turbulent flow
Centre de Calcul Vectoriel pour la Recherche, film video n°51,
Decembre 1991, 14' 12''

91-R21

Marie Farge and Matthias Holschneider, 1991
Interpretation of two-dimensional turbulence spectrum in terms of quasi-
singularities in the vortex cores
Europhys. Lett., **15**, 7, 737-743

90-C18

Marie Farge, 1991
Nonlinear dynamics of inertio-gravity waves
Nonlinear Topics in Ocean Physics, ed. A. Osborne, Soc. Italiana di Fisica,
189-202

89-R20

Marie Farge, 1991
L'évolution des idées sur la turbulence: 1870-1970

*Un siècle de rapports entre mathématiques et physique: 1870-1970,
Revue du Palais de la Découverte, numéro spécial, 40, 87-96*

88-D43

Marie Farge, 1991

Wavelet packet compression of a 2D turbulent flow

*Centre de Calcul Vectoriel pour la Recherche, film video n°41,
Juillet 1991, 7' 47''*

1990

87-C17

Marie Farge, 1990

Transformée en ondelettes continues et application à la turbulence

*Journée Annuelle de la Société de Mathématique de France,
5 Mai 1990, 17-62*

86-D42

Jean-François Colonna, Jean-Michel Drouffe et Marie Farge, 1990

Calcul de l'évolution des bouchons de pétrole dans les écoulements diphasiques

Rapport Science & Tec pour la Société Total, Mai 1990, 1-48

85-C15

Marie Farge, Matthias Holschneider and Jean-François Colonna, 1990

Wavelet analysis of coherent structures in two-dimensional turbulent flows

*Topological Fluid Mechanics, eds. K. H. Moffatt and A. Tsinober,
Cambridge University Press, 765-776*

84-R19

Marie Farge, 1990

Imagerie scientifique: choix des palettes de couleurs pour la visualisation
des champs scalaires bidimensionnels

L'Aéronautique et l'Astronautique, 140, 24-33

83-D41

Jean-François Colonna, Jean-Michel Drouffe et Marie Farge, 1990

Écoulements à bouchons non stationnaires: logiciel Cythère 2.0

Rapport Science & Tec pour la Société Total, Juillet 1990, 1-70

82-C15

Marie Farge, Yann Guezennec, Chi-Minh Ho and Charles Meneveau, 1990

Continuous wavelet transform of coherent structures

*Studying Turbulence using Numerical Simulation Databases, Center for
Turbulence Research, Summer Program 1990, Stanford University and NASA-
Ames, 331-348*

81-D40

Marie Farge, 1990

Two-dimensional wavelet analysis

*Centre de Calcul Vectoriel pour la Recherche, film video n°36,
Novembre 1990, 5' 17''*

1989

80-D39

Marie Farge, 1989

Nonlinear dynamics of compressible and incompressible 2D turbulent flows

*Centre de Calcul Vectoriel pour la Recherche, film video n°22,
Novembre 1989, 10' 27''*

79-R18

Marie Farge and Robert Sadourny, 1989

Wave-vortex dynamics in rotating shallow water

J. Fluid Mech., **206**, 433-462

78-D38

Marie Farge, 1989

Structures cohérentes en turbulence bidimensionnelle compressible

L'informatique Scientifique, **3**, Cray-France, 10-11

77-C14

Marie Farge and Gabriel Rabreau, 1989

Wavelet analysis of turbulent signals

Chaos, Turbulence and Nonlinear Variability in Geophysics,
ed. D. Schertzer, European Geophysical Society

76-D37

Marie Farge, 1989

Transformée en ondelettes bidimensionnelles

*Centre de Calcul Vectoriel pour la Recherche, film video n°14,
Mai 1989, 8' 23''*

1988

75-R17

Marie Farge et Gabriel Rabreau, 1988

Transformée en ondelettes pour détecter et analyser les structures cohérentes
dans les écoulements turbulents bidimensionnels

C. R. Acad. Sci. Paris, **307**, série II, 1479-1486

74-C13

Marie Farge, 1988

Effects of inertio-gravity waves and rotation on two-dimensional turbulence

'*Current Trends in Turbulence Research*', *ed. H. Branover et al.*,
Progress in Astronautics and Aeronautics, **112**, AIAA, 355-373

73-D36

Marie Farge, 1989
Nonlinear dynamics in dimension two (version 2)
Centre de Calcul Vectoriel pour la Recherche, film video n°8,
Janvier 1989, 10' 17''

72-O9

Marie Farge, 1988
L'approche numérique: simulation ou simulacre des phénomènes?
'*Logos et Théorie des Catastrophes*', ed. J. Petitot, Patino, 119-139

71-R16

Marie Farge, 1988
Vortex motion in a rotating barotropic fluid layer
Fluid Dyn. Res., 3, North-Holland, 282-288

70-C12

Marie Farge and Robert Sadourny, 1988
Statistical equilibria of divergent two-dimensional flows
'*Turbulence and Diffusion*', ed. J. Riley, American Meteorological Society,
57-60

69-D35

Marie Farge, 1988
Direct Numerical Simulation of compressible 2D turbulence
Centre de Calcul Vectoriel pour la Recherche, film video n°1,
Mars 1988, 5' 56''

68-R15

Marie Farge and Jean-François Lacarra, 1988
The numerical modelling of Saint-Venant equations
J. Méca. Théo. Appl., 7, 2, 63-86

67-C11

Marie Farge, 1988
Choix des palettes de couleur pour la visualisation de résultats
d'expériences numériques
'*Couleur, Design et Communication*', Centre Français de la Couleur et IFEC,
23-35

66-D34

Marie Farge, 1988
Nonlinear dynamics in dimension two (version 1)
Centre de Calcul Vectoriel pour la Recherche, film video n°6,
Juillet 1988, 10' 17''

65-C10

Marie Farge and Gabriel Rabreau, 1988
Wavelet transform to analyze coherent structures in two-dimensional flows
'*Scaling, Fractals and Nonlinear Variability in Geophysics*', ed. D. Schertzer,
Météorologie Nationale, 11-16

1987

64-D33

Marie Farge, 1987

Dynamique non linéaire des ondes et des tourbillons
dans les équations de Saint-Venant

Doctorat ès Mathématiques, Université Paris VI, 21 Novembre 1987, 1-401

63-R14

Marie Farge et Jean-François Colonna, 1987

L'expérimentation numérique par ordinateur

La Recherche, 187, 444-457

62-D32

Marie Farge, 1987

Ondes d'inertie-gravité et tourbillons en turbulence bidimensionnelle

*Modélisation de l'atmosphère: écoulements sur relief simple ou complexe
et ondes de gravité, Météorologie Nationale, 32-40*

61-C9

Marie Farge, 1987

Normalization of high-resolution raster display applied to turbulent fields

Advances in Turbulence, 1, 111-123

60-D31

Marie Farge, 1987

Vortex-wave interactions in compressible two-dimensional turbulence

*Science and Engineering on Cray Supercomputers, ed. E. Pitcher,
Cray Research Inc.*

59-D30

Marie Farge, 1987

Choix des palettes de couleur

Le Courrier du CNRS, numéro spécial 'Imagerie Scientifique', 61-65

1986

58-R13

Marie Farge et Robert Sadourny, 1986

Effets des ondes d'inertie-gravité sur une turbulence bidimensionnelle
non forcée en rotation

C.R. Acad. Sci. Paris, 303, série II, 10, 881-886

57-C8

Marie Farge, 1986

Scientific image processing and animation

International Electronic Image Week, SIGGRAPH, Nice, 315-320

56-R12

Marie Farge et Robert Sadourny, 1986

Inhibition de la turbulence bidimensionnelle par une rotation d'entraînement
C.R. Acad. Sci. Paris, 302, série II, 14, 847-850

55-D29

Marie Farge, 1986

Simulation directe de la turbulence bidimensionnelle compressible :
équation de Saint-Venant, spectres et intégration numérique
Rapport LMD, n°135, 1-63

54-R11

Marie Farge, 1986

L'approche numérique en physique
Fundamenta Scientiae, 7, 2, Pergamon, 155-175

53-D28

Marie Farge, 1986

Simulation directe de la turbulence bidimensionnelle compressible
avec ou sans rotation
Rapport d'activité du C2VR, 291-298

1985

52-C7

Marie Farge, 1985

Rotating stratified turbulence : numerical experiments
Turbulence and Diffusion, ed. J. Herring, American Meteorological Society

51-O8

Marie Farge, 1985

Computation of compressible two-dimensional turbulence in non-rotating flows
Lecture Notes in Physics, Plenum

1984

50-D27

Marie Farge et Patrick Fleury, 1984

Plaquette de présentation du Centre de Calcul Vectoriel pour la Recherche
GIE-C2VR, Ecole Polytechnique, 60-61

49-O7

Marie Farge, 1984

Computation of compressible two-dimensional turbulence in non rotating
and rotating flows
Numerical Methods in Fluid Dynamics, S. Soubbaramayer, Springer

48-D26

Marie Farge et Uriel Frisch, 1984

La simulation de la turbulence bidimensionnelle

Centre de Calcul Vectoriel pour la Recherche, Ecole Polytechnique, 60-61

1983

47-O6

Marie Farge, 1983

Instabilités hydrodynamiques ou instabilités numériques?

Instabilités hydrodynamiques et applications astrophysiques,

ed. A. Baglin, Société Française des Spécialités d'Astronomie, 65-82

46-D25

Alain Bossavit, Eric de Drouas, Marie Farge et Bertrand Meyer, 1983

Trois ans avec le Cray

Ecole d'Eté d'Informatique, CEA-INRIA-EDF, Le Bréau, 130-191

1982

45-D24

Marie Farge, 1982

Transformées de Fourier rapides bidimensionnelles optimisées
pour les calculateurs vectoriels

Atelier sur le Calcul Vectoriel, CEA-EDF, Dourdan, 18-21

44-O5

Marie Farge, 1982

L'œuvre scientifique de Marie Curie

'Femmes et Travail', ed. M. Revault d'Alonnes, 128-143

1981

43-C6

Marie Farge, 1981

Computational simulation of the transient evolution of a laminar hot jet injected
into a rectangular cavity

*Joint ASME-ASCE Mechanics Conference on 'Computational Fluid
mechanics', Boulder, Juin 1981*

42-R10

Marie Farge et Pierre Duhamel, 1981

Simulation du régime thermo-hydraulique transitoire d'un jet bidimensionnel
injecté dans une cavité rectangulaire

Int. J. Heat and Mass Transfer, 24, 10, 1599-1609

41-C5

Marie Farge, 1981

Simulation numérique de l'évolution transitoire d'un jet chaud laminaire injecté dans une cavité rectangulaire

8ième Congrès canadien de Mécanique appliquée, Moncton, Juin 1981

40-D23

Marie Farge, 1981

Description du Cray-1 de l'EDF-CISI et mesure de ses performances

Rapport HI/3912-00, Informatique et Mathématiques Appliquées, Centre d'Etudes et Recherches de l'EDF, Clamart, 1-142

39-C4

Marie Farge, 1981

Description du Cray-1 et tests de ses performances

Colloque d'Analyse Numérique, Aussois

38-D22

Marie Farge et Eric de Drouas, 1981

Performances du Cray-1 en Fortran

Rapport HI/3919-01, Informatique et Mathématiques Appliquées, Centre d'Etudes et Recherches de l'EDF, Clamart, 1-62

1980

37-D21

Marie Farge, 1980

Simulation numérique d'un jet chaud dans une cavité rectangulaire en régime transitoire

Thèse de Troisième Cycle en Physique, Université Paris VII, 1-172

36-R9

Marie Farge, 1980

Une idée, c'est si rare: biographie d'Einstein

Revue du Palais de la Découverte, numéro spécial 'Centenaire d'Einstein', 18, 15-45

1979

35-D20

Marie Farge, 1979

Notes sur la turbulence

Cours de Physique de Jean-Marc Lévy-Leblond, Université Paris VII, 1-25

1978

34-C3

Marie Farge, 1978

Solar pond applications in developing countries
Proc. International Conference on 'Small Scale Energy for Developing Countries', Reading (UK), 3-9 December 1978, 3-19

33-C2

Marie Farge, 1978

Solar ponds and their rural applications

Proc. International Conference on 'Technics for the Rural Pools of the Third World', Wardha (India), 23-26 January 1978, 1-21

1977

32-D19

Marie Farge, 1977

Bilan thermique d'un bassin solaire à absorbeur flottant

Rapport, Département d'Etudes Energétiques, Centre d'Etudes et Recherches de l'EDF, Chatou, 1-39

31-R8

Marie Farge et François de Closets, 1977

Les particules élémentaires

Sciences et Avenir, 360, Février 1977, 142-161

30-R7

Marie Farge et Georges Leclère, 1977

Les programmes solaires à travers le monde

Sciences et Avenir, numéro spécial 'Energie Solaire', 362, Avril 1977, 85-96

29-R6

Marie Farge, 1977

Le 'charme' à Stanford

Sciences et Avenir, 259, Janvier 1977, 31-35

28-D18

Marie Farge, 1977

Collecteurs cylindro-paraboliques : projet Bertin

Rapport, Département d'Etudes Energétiques, Centre d'Etudes et Recherches de l'EDF, Chatou, 1-50

27-R5

Marie Farge, 1977

Le 'scandale' de l'héliocentrisme

Sciences et Avenir, numéro spécial 'Energie Solaire', 19, 24-27

1976

26-R4

Marie Coulombier, 1976

Le stockage de l'énergie
Sciences et Avenir, **352**, Juin 1976, 558-573

25-D17

Marie Coulombier, 1976
Solar energy and new energies in France
Stanford University, Institute for Energy Studies, 1-78

24-D16

Marie Coulombier, 1976
Salt hydrates and eutectic salts latent heat storage
Stanford University, Material Sciences Department, 1-36

23-D15

Marie Coulombier, 1976
Two solar collectors design
Stanford University, Mechanical Engineering Department, 1-39

22-D14

Marie Coulombier, 1976
Think Sun !
Stanford Daily, October 1976

21-R3

Marie Coulombier, 1976
Congrès sur l'Electricité Solaire, Toulouse
Sciences et Avenir, **350**, Avril 1976, 15-17

20-D13

Marie Coulombier, 1976
Escondido Village Solar House
Stanford University, Civil Engineering Department, 1-44

19-D12

Marie Coulombier, 1976
Solar energy ethics
Stanford University, Industrial Engineering Department, 1-12

18-R2

Marie Coulombier, 1976
Un nouveau type d'atome : le pionium
Sciences et Avenir, **355**, Septembre 1976, 16-24

17-D11

Marie Coulombier, 1976
Solar pumps and intermediate technology
Stanford University, Mechanical Engineering Department, 1-67

16-D10

Marie Coulombier, 1976

Solar energy future in the United States
Stanford University, Institute for Energy Studies, 1-120

15-R1

Marie Coulombier et François de Closets, 1976

Le procès de l'Univers

Sciences et Avenir, 357, Novembre 1976, 1104-1109

14-D9

Marie Coulombier 1976

For a reinterpretation of quantum mechanics

Stanford University, Philosophy Department, 1-25

13-D8

Marie Coulombier 1976

Pilot Energy Model, renewable energies section

Stanford University, Systems Optimization Laboratory, 14-27

1975

12-D7

Marie Coulombier, 1975

Macro-instructions IML et programmes de tests des acquisitions standard
du Tokamak TFR

*Département de Physique des Plasmas et de la Fusion Contrôlée,
CEA-Fontenay-aux-Roses, 1-78*

11-D6

Marie Coulombier, 1975

Solar energy storage

Stanford University, Material Sciences Department, 1-12

10-D5

Marie Coulombier, 1975

For a convivial society

Stanford University, Industrial Engineering Department, 1-20

9-D4

Marie Coulombier, 1975

For a human scale communication

Stanford University, Industrial Engineering Department, 1-16

1974

8-O4

Marie Coulombier, 1974

Le Marché de l'électronique au Brésil

Enquêtes à l'étranger, Centre Français du Commerce Extérieur, 1-155

7-D3

Marie Coulombier, 1974

Calcul de la température électronique du tokamak TFR
à partir du rayonnement d'X mous

*Rapport, Département de Physique des Plasmas et de la Fusion Contrôlée,
CEA-Fontenay-aux-Roses, 1-15*

6-O3

Marie Coulombier, 1974

Le Marché des composants électroniques au Brésil, Tome I

Enquêtes à l'étranger, Centre Français du Commerce Extérieur, 1-83

5-O2

Marie Coulombier, 1974

Le Marché des composants électroniques au Brésil, Tome II : Législation en
vigueur

Enquêtes à l'étranger, Centre Français du Commerce Extérieur, 1-112

1973

4-O1

Marie Coulombier, 1973

Le Marché des composants électroniques en Afrique du Sud

Enquêtes à l'étranger, Centre Français du Commerce Extérieur, 1-216

1972

3-C1

Marie Coulombier, 1972

Dynamique des groupes informels

Annales du IIIème Congrès International de Caractérologie, Paris, 10-15

2-D2

Marie Coulombier, 1972

Le marché des oléoducs, polyducs et gazoducs au Mexique

Spie-Batignolles-CITRA, 1-52

1971

1-D1

Marie Coulombier, 1971

Championnats de France de voile 1971

Voiles et Voiliers, Août 1971, 23-25