

List of publications

Édouard CANOT

updated: Sept 10, 2024

1 International Journals

- CANOT É., DELANNAY R., SANTORO C., 2024,
“*Physical analysis and inverse methods applied to archæological Fire replications on Atacama desert soils, Northern Chile*”,
Archæometry, doi:10.1111/arc.13030
<https://hal.archives-ouvertes.fr/hal-02078646>
- BEN REFIFA M., GUELLOUZ L., CANOT É., LAABIDI E., BOUHLILA R., 2019,
“*Revisiting the salt dome problem: new insights with the salt dissolution and pollutant release induced processes*”,
Arabian Journal of Geosciences, vol. 12, p. 294, doi:10.1007/s12517-019-4471-4
<https://hal.archives-ouvertes.fr/hal-02084582>
- MANSOUR S., CANOT É., MUHIEDDINE M., 2016,
“*Identification of the Thermophysical Properties of the Soil by Inverse Problem*”,
ASME Journal of Heat Transfer, vol. 138, n. 9, doi:10.1115/1.4032947
<https://hal.archives-ouvertes.fr/hal-01096787v1>
- CANOT É., DELANNAY R., MANSOUR S., MUHIEDDINE M., MARCH R., 2016,
“*Effective thermal conductivity of a wet porous medium — Presence of hysteresis when modeling the spatial water distribution for the pendular regime*”,
ASME Journal of Heat Transfer, vol. 138, n. 9, doi:10.1115/1.4032950
<https://hal.archives-ouvertes.fr/hal-01245690v1>
- TANKEO M., RICHARD P., CANOT É., 2013,
“*Analytical solution of the $\mu(I)$ -rheology for fully developed flows in simple configurations*”,
Granular Matter, vol. 15, Issue 6, Dec. 2013, pp 881-891.
<https://hal.archives-ouvertes.fr/hal-00859926v1>
- MUHIEDDINE M., CANOT É., MARCH R., 2012,
“*Heat transfer modeling in saturated porous media and identification of the thermophysical properties of the soil by inverse problem*”,
Int. J. for Applied Numer. Math., vol. 62, pp 1026-1040.
<https://hal.archives-ouvertes.fr/hal-00757211v1>
- MUHIEDDINE M., CANOT É., MARCH R., DELANNAY R., 2011,
“*Coupling heat conduction and water-steam flow in a saturated porous medium*”,
Int. J. for Num. Methods in Engng, vol. 85, pp 1390-1414.
<https://hal.archives-ouvertes.fr/inria-00540366v1>
- MUHIEDDINE M., CANOT É., MARCH R., 2009,
“*Various Approaches for Solving Problems in Heat Conduction with Phase Change*”,
International Journal on Finite Volumes, vol. 6, n. 1.
<https://hal.archives-ouvertes.fr/hal-01120384v1>

ZEIN S., CANOT É., ERHEL J., NASSIF N., 2008,
“*Determination and sensitivity analysis of the seismic velocity of a shallow layer from refraction traveltimes measures*”,
International Journal of Multiphysics, vol. 2, n. 4, pp 437-456.
<https://hal.archives-ouvertes.fr/hal-01245787v1>

ZEIN S., CANOT É., ERHEL J., NASSIF N., 2008,
“*Determination of the Mechanical Properties of a Solid Elastic Medium from a Seismic Wave Propagation using two Statistical Estimators*”,
Mathematics and Mechanics of Solid, vol. 13, n. 5, pp 388-407.
<https://hal.archives-ouvertes.fr/hal-01245797v1>

LUBIN P., CANOT É., 2004,
“*Test-case No. 3: Propagation of pure capillary standing waves*”,
Multiphase Science and Techn., special issue “*Numerical interface tracking test-cases*”, vol. 16,
pp 17-21.
<https://hal.archives-ouvertes.fr/hal-01245815v1>

CANOT É., LUBIN P., 2004,
“*Test-case No. 4: Rayleigh-Taylor instability for isothermal, incompressible and non-viscous fluids*”,
Multiphase Science and Techn., special issue “*Numerical interface tracking test-cases*”, vol. 16,
pp 23-29.
<https://hal.archives-ouvertes.fr/hal-01245828v1>

CANOT É., GEORGESCU S. C., VINCENT S., 2004,
“*Test-case No. 21: Gas bubble bursting at a free surface, with jet formation*”,
Multiphase Science and Techn., special issue “*Numerical interface tracking test-cases*”, vol. 16,
pp 121-127.
<https://hal.archives-ouvertes.fr/hal-01245835v1>

CANOT É., CARTELLIER A., HERVIEU É., 2004,
“*Test-case No. 22: Axisymmetric body emerging through a free surface*”,
Multiphase Science and Techn., special issue “*Numerical interface tracking test-cases*”, vol. 16,
pp 129-133.
<https://hal.archives-ouvertes.fr/hal-00202261v1>

The four previous publications can be found in the following book:

“*Validation of Advanced Computational Methods for Multiphase Flows*”,
H. Lemonnier, D. Jamet, O. Lebaigue Eds, Begell House, New-York, 260 p., 2005

CANOT É., DAVOUST L., EL HAMMOUMI M., LACHKAR D., 2003,
“*Numerical simulation of the buoyancy-driven bouncing of a 2-D bubble at an horizontal wall*”,
Theor. Comp. Fluid Dyn., vol. 17, n.1, pp 51-72.
<https://hal.archives-ouvertes.fr/hal-00203813v1>

GEORGESCU S. C., ACHARD J.-L., CANOT É., 2002,
“*Jet drops ejection in bursting gas bubble processes*”,
Eur. J. Mech., B/Fluids vol. 21, pp 265-280.
<https://hal.archives-ouvertes.fr/hal-00182311v1>

MACHANE R., ACHARD J.-L., CANOT É., 2000,
“*A new velocity-vorticity boundary integral formulation for Navier-Stokes equations.*”,
Int. J. for Numerical Methods in Fluids, vol. 34, pp 47-63.
<https://hal.inria.fr/hal-01245939>

MACHANE R., CANOT É., 1997,
“*High-order schemes in Boundary Element Methods for transient non-linear free-surface problems.*”,
Int. J. for Numerical Methods in Fluids vol. 24, pp 1049-1072.
<https://hal.inria.fr/hal-01245941>

ACHARD J.-L., MACHANE R., CANOT É., 1996,
“*Formulation entièrement intégrale des équations de Navier-Stokes.*”,
C.R. Acad. Sci., t. 323, Série II b, pp 653-660.
<https://hal.inria.fr/hal-01245944>

CANOT É., ACHARD J.-L., 1991,
“*An overview of boundary integral formulations for potential flows in fluid-fluid systems.*”,
Archives of Mechanics, vol. 43, pp 453-498.
<https://hal.inria.fr/hal-01245948>

ACHARD J.-L., CANOT É., 1988,
“*Formulation intégrro-différentielle pour les écoulements transitoires d'un fluide isovolume et visqueux.*”,
Journal de Mécanique Théorique et Appliquée, vol. 7, n° 5, pp 654-682
<https://hal.inria.fr/hal-01245949>

2 Proceedings of International Conferences

MANSOUR S., MUHIEDDINE M., CANOT É., MARCH R., 2014,
“*Identification of Thermophysical Properties of the Soil in 3D-axisymmetric Coordinate System Using Inverse Problem*”,
Proc. of Seventh Int. Conf. on Thermal Engineering (ICTEA), Marrakesh, Morocco, May 6-8;
Hasnaoui M. and Saghir M. Z. Eds, ISBN 1-926769-19-6 (CD-ROM edition)
<https://hal.archives-ouvertes.fr/hal-01095496v1>

CANOT É., DELANNAY R., MANSOUR S., MUHIEDDINE M., MARCH R., 2014,
“*Effective thermal conductivity of a wet porous medium — presence of hysteresis when modeling the spatial water distribution for the pendular regime*”,
Proc. of Seventh Int. Conf. on Thermal Engineering (ICTEA), Marrakesh, Morocco, May 6-8;
Hasnaoui M. and Saghir M. Z. Eds, ISBN 1-926769-19-6 (CD-ROM edition)
<https://hal.archives-ouvertes.fr/hal-01095522v1>

NUENTSA WAKAM D., ERHEL J., CANOT É., 2011,
“*Robustness in hybrid algebraic solvers for large linear systems*”,
Proc. of 23rd Int. Conf. on Parallel Computational Fluid Dynamics (ParCFD 2011), 5 pages,
online at: <http://parcfd2011.bsc.es>
<https://hal.archives-ouvertes.fr/hal-00647912v1>

- NUENTSA WAKAM D., ERHEL J., CANOT É., 2010,
 “Parallélisme à deux niveaux dans GMRES avec un préconditionneur Schwarz multiplicatif”,
 Proc. of CARI’2010, É. Badouel, A. Sbihi, I. Lopko (Editors), INRIA, 2010, pp 189-196
<https://hal.archives-ouvertes.fr/inria-00541771v1>
- MARCH R., MUHIEDDINE M., CANOT É., 2010,
 “Simulation 3D des structures de combustion préhistoriques”,
 Actes du colloque Virtual Retrospect 2009, Archéovision 4, Bordeaux, R. Vergnieux et C. Delevoie, Ed. Ausonius, n°4, pp 19-29
<https://hal.archives-ouvertes.fr/hal-00197477v1>
- MUHIEDDINE M., CANOT É., MARCH R., 2010,
 “Numerical modeling of coupled heat and water steam flow in spatially variable permeability of saturated porous media”,
 Proc. of Fifth Int. Conf. on Thermal Engineering (ICTEA), Marrakesh, Morocco, May 10-14;
 Hasnaoui M. and Saghir M. Z. Eds, ISBN 1-894503-93-7, pp 7-11 (CD-ROM edition)
<https://hal.archives-ouvertes.fr/inria-00540430v1>
- NUENTSA WAKAM D., ERHEL J., CANOT É., ATENEKENG KAHOU G., 2010,
 “A comparative study of some distributed linear solvers on systems arising from fluid dynamics simulations”,
 Proc. of Int. Conf. on Parallel Computing (ParCo’09), Lyon, France, Sept 1-4; published in:
 “Parallel Computing: from Multicores and GPU’s to Petascale”, B. Chapman et al. (Eds), IOS Press, 2010, pp 51-58
<https://hal.archives-ouvertes.fr/inria-00540443v1>
- MUHIEDDINE M., CANOT É., MARCH R., 2009,
 “Simulation of Heat Transfer with Phase Change in 3D Saturated Porous Media”,
 Proc. of the MAMERN’09 Conference, Pau, France, June 8-11; Amaziane et al. Eds, Universidad de Granada, pp 701-706
<http://lma.univ-pau.fr/meet/mamern09/en/index.php>
- MUHIEDDINE M., CANOT É., MARCH R., 2008,
 “Numerical solution of a 1-D time-dependent phase change problem”,
 Proc. of the WCCM8 and Fifth ECCOMAS, Venice, Italy, June 30-July 4, (CD-ROM, CIMNE, B. A. Schrefler and U. Perego Eds, document a1317.pdf)
- MUHIEDDINE M., CANOT É., 2008,
 “Recursive mesh refinement for vertex centered FVM applied to a 1-D phase-change problem”,
 Proc. of the FVCA5 Conference, Aussois, France, June 9-13, Wiley, R. Eymard and J.-M. Hérard Eds, pp 601-608
<https://www.latp.univ-mrs.fr/fvca5/>
- ZEIN S., CANOT É., ERHEL J., NASSIF N., 2007,
 “A Seismic tomography using genetic algorithm”,
 Proc. of the Sixth Int. Conf. Aplimat, Bratislava - Slovakia, 6-9 feb. 2007 (CD-ROM), Slovak University of Technology in Bratislava.

- GEORGESCU S. C., CANOT É., ACHARD J.-L., SOUCEMARIANADIN A., 2006,
 “Drops ejection from a capillary nozzle by Drop-On-Demand technology”,
 Proc. Conference on Modelling Fluid Flow CMFF’06, Budapest, Sept. 6-9,
 Lajos and Vad Eds, vol. II, pp 684-691
<https://hal.science/hal-00189241>
- ZEIN S., CANOT É., ERHEL J., NASSIF N., 2006,
 “Recovery of the Velocity and the Shape of the Interface of a Geological Layer”,
 Proc. of the Fifth Int. Conf. on Engng Comput. Technology, Las Palmas de Gran Canaria -
 Spain, 12-15 sept. 2006 Topping, Montero, Montenegro Eds.
- ZEIN S., NASSIF N., ERHEL J., CANOT É., 2006,
 “Recovery of the coefficients of the elastodynamics equation using two statistical estimators”,
 Proc. of COMPSTAT 2006, 17th Symposium of IASC-ERS, Roma, Italia, August 28 - Sept 1
 Rizzi and Vichi Eds, Physica Verlag, CD-ROM part, pp 1421-1429
- CANOT É., DE DIEULEVEULT C., ERHEL J., 2006,
 “A parallel software for a saltwater intrusion problem”,
 “Parallel Computing: Current and Future Issues of High-End Computing”,
 Proc. of the Int. Conf. ParCo 2005, Joubert, Nagel, Peters, Plata, Tirado and Zapata Eds.
 vol. 33, NIC series, pp 399-406
- GEORGESCU S. C., CANOT É., ACHARD J.-L., 2006,
 “Oil in water injection from a submerged nozzle”,
 Transactions on Mechanics, Scientific Bulletin of the Politechnica University of Timisoara, vol. 51
 (65), Special issue: Proc. of the 2nd Workshop on Vortex Dominated Flows. Achievements and
 Open Problems, Timisoara, Romania, June 30 - July 1, 2006, Bernad, Munteam and Susan-
 Resiga Eds, pp 67-74
<https://hal.archives-ouvertes.fr/hal-00182349v1>
- GEORGESCU S. C., CANOT É., BROBOANA D., SOUCEMARIANADIN A., 2005,
 “Numerical simulation of Drop-On-Demand jetting applications in microfluidics.”,
 In: book of abstracts, Euromech Colloquium 472 “Microfluidics and Transfer”,
 Session 7 “Isothermal two-phase flows. Interface phenomena”, Grenoble, Sept. 6-8
- GEORGESCU S. C., CANOT É., ACHARD J.-L., 2005,
 “Local vortex formation in bursting air bubble collapsing process”,
 Transactions on Mechanics, Scientific Bulletin of the Politechnica University of Timisoara, vol. 50
 (64), Special issue: Proc. of the Workshop on Vortex Dominated Flows. Achievements and
 Open Problems, Timisoara, Romania, June 10-11, 2005, Bernad, Munteam and Susan-Resiga
 Eds, pp 177-184
<https://hal.archives-ouvertes.fr/hal-00182341v1>
- BENSELAMA A. M., PHAM P., GLIÈRE A., CANOT É., 2004,
 “Modeling of the dielectrophoretic behavior of biological cells: A numerical comparison between
 Finite Element/Boundary Element Maxwell stress tensor methods and point-dipole approach”,
 7th International Conference on Modeling and Simulation of Microsystems, 7-11 March, Boston
 MA, USA.
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<http://www.nsti.org/publications/Nanotech/2004/pdf/B1-49.pdf>

- VADILLO D., CANOT É., LOPEZ B., SOUCEMARIANADIN A., 2003,
 “Collisions of single and multiple drops onto solid walls”,
 9th ICLASS’2003 Conference, Sorrento, Italy, 13-18 July.
<http://ilasseurope.org/events/9th-iclass-conference/>
- CANOT É., GEORGESCU S. C., ACHARD J.-L., 2001,
 “Bursting air bubble at a free surface: Regridding influence on the interface evolution”,
 in: Proc. of the Workshop on “Numerical Simulations for Fluid Mechanics and Magnetic Liquids”, 23-24 May 2001,
 Eds. ANTON I., ANCUSA V., RESIGA R., pp.121-132, Editura Orizonturi Universitare, Timisoara, Romania.
<https://hal.archives-ouvertes.fr/hal-00197477v1>
- EL HAMMOUMI M., CANOT É., DAVOUST L., 2001,
 “Rebond d’une bulle sur un plan rigide horizontal”,
 5^e Congrès de Mécanique, Meknès, Maroc, 17-20 avril, pp 41-42.
<https://hal.archives-ouvertes.fr/hal-00203855v1>
- CANOT É., 1999,
 “Stability criteria for capillary/gravity free-surface waves in BEM simulations of viscous potential flows”,
 First Int. Conf. on Boundary Element Techniques, London, 6-8 July; published in: *Advances in Boundary Element Techniques I*, edited by M. H. Aliabadi, Queen Mary and Westfield College, Univ. of London 1999 (ISBN 0 904 188 531) pp 321-330.
<https://hal.inria.fr/hal-01245955>
- MACHANE R., ACHARD J.-L., CANOT É., 1999,
 “A new integral formulation of Navier-Stokes equations”,
 Proc. of the Int. Conf. on Boundary Element Techniques, Queen Mary & Westfield College, London, 6-8 July, (M. H. Aliabadi, Ed.) pp 395-404.
- GEORGESCU S. C., ACHARD J.-L., CANOT É., 1998,
 “Bubble cavity collapse and liquid jet formation simulation in bursting gas bubble process”,
 Euromech 376 Waves in two-phase flows, 27-30 April, Istanbul, Turquie, pp 25-27.
- MACHANE R., CANOT É., ACHARD J.-L., 1997,
 “Solving the full Navier-Stokes equations by a new Boundary Integral Method.”,
 4th US National Congress on Computational Mechanics, IV, Aug. 1997, San Francisco, USA.
- DOMINGUEZ-CORTAZAR M., CANOT É., 1995,
 “Axial collapse of a cavitating vortex: numerical simulation by an integral method”,
 Proc. of the Int. Symp. on Cavitation CAV’95, May 2-5, Deauville, France, pp 459-464.
- ACHARD J.-L. , CANOT É., 1992,
 “Bubble evolution in liquid-gas solutions, viewed as an elementary catastrophe.”,
 Int. Symp. “Instabilities in Multiphase Flows”, May 11-14th, 1992, Rouen, France,
 published in: “Instabilities in Multiphase Flows”, Eds Gouesbet G. and Berlemont A., Plenum Press, pp 37-51.

FRANC J.-P. , CANOT É., 1990,
“*Analysis of erosion by cavitating vortices: experimental study and numerical simulation of the CAVERMOD.*”,
Colloque Euromech 265: “Transient effects in Cavitation and high speed liquid impact” Cambridge (U.K.), 3-5 Sept. 1990.
<https://hal.archives-ouvertes.fr/hal-01134525v1>

CANOT É. , ACHARD J.-L., 1988,
“*A boundary integral method to describe non-linear dynamics of fluid-fluid systems. Application to axisymmetric Rayleigh-Taylor instability.*”,
Colloque Euromech 234, Toulouse, Mai 1988.

CANOT É. , ACHARD J.-L., 1983,
“*Gas bubble formation at a submerged orifice under constant pressure conditions.*”,
Colloque Euromech 176, Villard de Lans (Grenoble), Sept. 1983

3 International Conferences (invitation or contribution)

MARCH R., CANOT É., DELANNAY R., 2017,
“*Determination of the fire duration of a prehistorical hearth from the knowledge of a thermo-altered layer: methods and issues.*”,
21^e Colloque du GMPCA (Groupe des Méthodes Pluridisciplinaires Contribuant à l’Archéologie), Rennes, France, 18-21 avril,
<https://gmpca2017.sciencesconf.org/>

BEN REFIFA M., CANOT É., GUELLOUZ L., BOUHLILA R., 2016,
“*Modélisation des processus couplés : écoulement, transport multi-espèces et géochimie dans les milieux poreux. Application à la dissolution d’un dôme de sel*”,
13^e Colloque Africain sur la Recherche en Informatique et Mathématiques Appliquées (CARI’16), Tunis, Tunisie, 11-14 oct,
<http://cari2016.enit-lr.tn/>

CANOT É., DELANNAY R., MANSOUR S., 2015,
“*Reorganization of liquid menisci between solid grains during evaporation/condensation of water in a wet porous medium*”,
InterPore 7th Conference on Porous Media, Padua, Italy, May 18-21. Contributed talk.
<https://hal.archives-ouvertes.fr/hal-01245726v1>

MANSOUR S., CANOT É., MUHIEDDINE M., MARCH R., CORDERO J. A., 2015,
“*Estimation of the Thermophysical Properties of the Soil by Inverse Problem, using Experimental Data during Liquid/Vapour Phase Change*”,
InterPore 7th Conference on Porous Media, Padua, Italy, May 18-21. Contributed talk.
<https://hal.archives-ouvertes.fr/hal-01245719v1>

CANOT É., DELANNAY R., MUHIEDDINE M., MARCH R., 2013,
“*Strong non-linear behavior of the effective thermal conductivity of a wet porous medium*”,
NASCA 13 Conference, Calais, France, June 24-26. Contributed talk.
<https://hal.archives-ouvertes.fr/hal-00907559v1>

- SABIT S., ERHEL J., CANOT É., 2012,
 “*Méthodes numériques de transport réactif : l’approche globale DAE*”,
 3^e Conférence Internationale de la Société Marocaine de Mathématiques Appliquées (SM2A),
 Marrakesh, Maroc, September 2012. Invited contribution.
- DJOUWE TANKEO M., RICHARD P., CANOT É., 2011,
 “*Simulation of granular flow in channel*”,
 ICMM2, 2nd Int. Conf. on Material Modelling, Paris, France, Aug 31–Sep 2. Contributed talk.
<https://hal.archives-ouvertes.fr/hal-00647914v1>
- NUENTSA-WAKAM D., CANOT É., ERHEL J., 2011,
 “*Deflated GMRES with Multiplicative Schwarz Preconditioner: A Challenge of Robustness and Parallelism*”,
 DD20: Twentieth Int. Conf. on Domain Decomposition Methods, La Jolla, California USA,
 February 7-11. Contributed talk.
- MUHIEDDINE M., CANOT É., MARCH R., 2009,
 “*Recovering thermophysical parameters of a heated saturated porous medium*”,
 NASCA 09 Conference, Agadir, Marocco, May 18-22. Contributed talk.
- CANOT É., MUHIEDDINE M., 2009,
 “*Recovering thermophysical properties of the soil*”,
 Numerical methods and North-South Cooperation - NumCoop’09 Colloquium, Yaoundé, Cameroon,
 March 2-4. Invited contribution.
- NUENTSA-WAKAM D., CANOT É., ERHEL J., 2009,
 “*Comparison of some linear solvers on systems arising from fluid dynamics*”,
 Numerical methods and North-South Cooperation - NumCoop’09 Colloquium, Yaoundé, Cameroon,
 March 2-4. Invited contribution.
- CANOT É., 2006,
 “*GEOLOG: a SALOME-based platform for hydrogeological simulations*”,
 Workshop 3+3 Méditerranée “Numerical computing for groundwater flows”, LERMA, Rabat,
 Maroc, Sept 20-22. Invited contribution.
- ZEIN S., ERHEL J., NASSIF N., CANOT É., 2005,
 “*Recovery of the coefficients of the elastodynamics equation using two Statistical Estimators*”,
 Workshop on Inverse Problems (WIP 2005), Marseille, France, Déc. 2005. Contributed talk.
- CANOT É., ERHEL J., NASSIF N., ZEIN S., 2005,
 “*Estimation of the mechanical properties of a solid elastic medium in contact with a fluid medium*”,
 CSDA Conference, ERCIM working group “Matrix Computations and Statistics”, oct. 27 - nov.
 1, 2005, Limassol, Cyprus. Contributed talk.
- DE DIEULEVEULT C., CANOT É., ERHEL J. 2005,
 “*High performance computing applied to a saltwater intrusion numerical model*”,
 SIAM Computational Geosciences’05, June 7-10, 2005, Avignon, France. Contributed talk.

GUYOMARC'H F., CANOT É., 2004,
“*SCILIN: a SCILAB toolbox for large matrices*”,
SCILAB-2004 International Conference, Dec., Rocquencourt, France. Contributed talk.

ERHEL J., CANOT É., 2003,
“*The Inverse Electrocardiography problem viewed as a General Linear Model*”,
July 2003, ICIAM, Sydney, Australie. Contributed talk.

CANOT É., ERHEL J., 2002,
“*Some inverse problems in electrocardiography*”,
Fév. 2002: 2nd Workshop, ERCIM working group on “Matrix Computations and Statistics”,
INRIA-Rennes. Invited contribution.

GEORGESCU S. C., ACHARD J.-L., CANOT É., 1997,
“*Large bubble entrapped beneath a free liquid surface*”,
Proc. 6th Symp. “Technologies, installations and Equipments for the Environment Quality
Improvement”, 11-14 nov., University Politehnica of Bucharest, Romania, vol. 1, pp 268-275.
Contributed talk.

4 National Conferences

BOILEAU M., CANOT É., MCNAMARA S., 2022,
“*Transport d'eau et de sel en milieu poreux non-saturé*”,
Actes du 25^e Congrès Français de Mécanique (CFM'22), 29 Aug.-2 Sept 2022, Nantes, France.
<https://hal.science/hal-04683857>

CANOT É., 2012,
“*DAE solver and symbolic computation*”,
RAIM (5^e Rencontres Arithmétique de l'Informatique Mathématique), 20-22 June 2012, Dijon,
France.

CANOT É., ERHEL J., 2003,
“*Simulation de problèmes couplés d'hydro-géologie : utilisation d'une grille de calcul et d'un
modèle de composants logiciels*”,
RenPar'15 (Rencontres du Parallélisme), La Colle-sur-Loup (France), Octobre. Invited confer-
ence.

MACHANE R., CANOT É., ACHARD J.-L., 1997,
“*Résolution des équations de Navier-Stokes par une méthode intégrale*”,
Actes du 13^e Congrès Français de Mécanique, 1-5 Sept., Poitiers, France, vol. 3, pp 71-74.

CANOT É., GEORGESCU S. C., 1997,
“*Bilan d'énergie mécanique pour le suivi d'interface: Modèle potentiel avec prise en compte des
contraintes visqueuses normales*”,
Actes du 13^e Congrès Français de Mécanique, 1-5 Sept., Poitiers, France, vol. 3, pp 23-26.

MACHANE R., CANOT É., 1995,
“*Résultante des forces exercées sur une particule s'approchant perpendiculairement à une surface
libre en écoulement potentiel*”,
Proc. 2^e Rencontre Maghrébine sur la Mécanique, 4-6 Déc., Constantine, Algérie, pp 239-244.

MACHANE R., CANOT É., 1995,
“*Émergence de corps à la surface libre d’un fluide non-visqueux*”,
Actes du 12^e Congrès Français de Mécanique, 4-8 Sept., Strasbourg, France, vol. 2, pp 165-169.

CANOT É., DOMINGUEZ-CORTAZAR M., FRANC J.-P., MICHEL J.-M., 1992,
“*Le CAVERMOD : une approche de l’érosion de cavitation par tourbillon cavitant.*”,
2^e Journées Cavitation. Colloque S.H.F. 18-20 Mars 1992, Paris (France). Contributed talk.
<https://hal.archives-ouvertes.fr/hal-01134523v1>

CANOT É., ACHARD J.-L., 1985,
“*Régimes de bullage à partir d’un orifice immergé, sous des conditions de pression de gaz constante.*”,
^e Congrès Français de Mécanique. Bordeaux, Sept. 1985.

5 Seminars and Workshops

CANOT É., 2018,
“*Calcul automatique d’une jacobienne — quelques outils pour un code numérique robuste et performant*”,
Journée Simulation de l’IPR, 16 janvier 2018, Campus de Beaulieu, Rennes, France.

CANOT É., 2016,
“*Modèles de forces capillaires entre grains*”,
LMHE, École Doctorale Sciences et Techniques de l’Ingénieur,
Décembre 2016, ENIT, Tunis, Tunisie.
<http://www.edsti.enit.rnu.tn/>

CANOT É., DELANNAY R., 2016,
“*Modèles de forces capillaires entre grains*”,
GDR TransNat, 7-10 Nov., Roscoff
<http://transnat.univ-rennes1.fr/themes/Programme/Roscoff+2016/>

CANOT É., DELANNAY R., MANSOUR S., 2016,
“*EWGM: Evaporation in a Wet Granular Medium*”,
LMHE, École Doctorale Sciences et Techniques de l’Ingénieur,
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