

## 1. Produits et activités de la recherche de l'équipe EDPs<sup>2</sup>

### 1.1 Production de connaissances et activités concourant au rayonnement et à l'attractivité scientifique de l'équipe EDPs<sup>2</sup>

#### 1.1.1. Journaux, revues

#### Articles publiés dans des revues à comité de lecture - Équipe EDPs<sup>2</sup>

- [1] D. ABBASZADEH, A. Bresch, D. DESJARDINS et E. GRENIER : Asymptotic production behavior in waterflooded oil reservoirs : Decline curves on a simplified model. *Eur. J. Mech. B/Fluid*, (43):131–134, 2014.
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- [3] Bilal AL TAKI : Global well posedness for the ghost effect system. *Commun. Pure Appl. Anal.*, 16(1):345–368, 2017.
- [4] Aurélien ALFONSI, Céline LABART et Jérôme LELONG : Stochastic Local Intensity Loss Models with Interacting Particle Systems. *Mathematical Finance*, 26(2):366–394, avril 2016.
- [5] K. AMMARI et S. GERBI : Interior feedback stabilization of wave equations with dynamic boundary delay. *ZAA-Zeitschrift für Analysis und ihre Anwendungen*, 36(3):297–327, 2017.
- [6] J. BERGER, T. BUSSER, D. DUTYKH et N. MENDES : On the estimation of moisture permeability and advection coefficients of a wood fibre material using the optimal experiment design approach. *Experimental Thermal and Fluid Science*, 90:246–259, jan 2018.
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- [8] J. BERGER et D. DUTYKH : Evaluation of the reliability of building energy performance models for parameter estimation. *Computational technologies*, 24(3):4–32, 2019.
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- [11] J. BERGER, S. GASPARIN, D. DUTYKH et N. MENDES : Accurate numerical simulation of moisture front in porous material. *Building and Environment*, 118:211–224, jun 2017.
- [12] J. BERGER, S. GASPARIN, D. DUTYKH et N. MENDES : On the Solution of Coupled Heat and Moisture Transport in Porous Material. *Transport in Porous Media*, 121(3):665–702, feb 2018.
- [13] J. BERGER, S. GASPARIN, D. DUTYKH et N. MENDES : On the comparison of three numerical methods applied to building simulation : finite-differences, RC circuit approximation and a spectral method. *Building Simulation*, pages 1–32, 2019.
- [14] J. BERGER, H. LE MEUR, D. DUTYKH, D. M. NGUYEN et A.-C. GRILLET : Analysis and improvement of the VTT mold growth model : Application to bamboo fiberboard. *Building and Environment*, 138:262–274, jun 2018.
- [15] Julien BERGER, Suelen GASPARIN, Marx CHHAY et Nathan MENDES : Estimation of temperature-dependent thermal conductivity using proper generalised decomposition for building energy management. *Journal of Building Physics*, 40(3):235–262, 2016.
- [16] B. BOGOSEL, D. BUCUR et A. GIACOMINI : Optimal shapes maximizing the Steklov eigenvalues. *SIAM J. Math. Anal.*, 49(2):1645–1680, 2017.
- [17] Beniamin BOGOSEL : The method of fundamental solutions applied to boundary eigenvalue problems. *J. Comput. Appl. Math.*, 306:265–285, 2016.
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