

Publications in 2023 from the HEC-AIMS projects between Brandenburgische  
Technische Universität Cottbus-Senftenberg (BTU) and AIMS Ghana

P.H. Takam, R. Wunderlich, O. Menoukeu Pamen:

Modeling and simulation of the input–output behavior of a geothermal energy storage. *Mathematical Methods in the Applied Sciences*, 2023

Link: [See the article](#)

Paul Honoré Takam

Stochastic optimal control problems of residential heating systems with a geothermal energy storage. PhD Thesis. BTU Cottbus-Senftenberg, 2023

Link: [See the article](#)

O. Menoukeu Pamen and L. Tangpi:

“Maximum principle for stochastic control of SDEs with measurable drifts.” *Journal of Optimization Theory and Applications*. 197: 1195-1228, (2023). (24p).

Link: [See the article](#)

O. Menoukeu Pamen, G. Xu and X. Zhuo: “Finite Difference Scheme versus Piecewise Binomial Lattice for Interest Rates under the Skew CEV Model.” *Quantitative Finance*. 23 (5), 843-862 (2023). (20p)

Link: [See the article](#)

A.-M. Bogso, M. Dieye and O. Menoukeu Pamen: “Stochastic integration with respect to the local time of the Brownian sheet and regularisation properties of Brownian sheet curves.” *Bernoulli*, 29: (4) 2627-2651, (2023). (25p)

Link: [See the article](#)