



MOX-Report No. 65/2021

Elasto-acoustic modelling and simulation for the seismic response of structures: The case of the Tahtali dam in the 2020 Izmir earthquake

Mazzieri, I.; Muhr, M.; Stupazzini, M.; Wohlmuth, B.

MOX, Dipartimento di Matematica
Politecnico di Milano, Via Bonardi 9 - 20133 Milano (Italy)

mox-dmat@polimi.it

<http://mox.polimi.it>

MOX Technical Reports, last issues

Dipartimento di Matematica
Politecnico di Milano, Via Bonardi 9 - 20133 Milano (Italy)

- 64/2021** Clarotto, L.; Allard, D.; Menafoglio, A.
A new class of alpha-transformations for the spatial analysis of Compositional Data
- 63/2021** Rosafalco, L.; Torzoni, M.; Manzoni, A.; Mariani, S.; Corigliano, A.
Online structural health monitoring by model order reduction and deep learning algorithms
- 62/2021** Lupo Pasini, M.; Burcul, M.; Reeve, S.; Eisenbach, M.; Perotto, S.
Fast and accurate predictions of total energy for solid solution alloys with graph convolutional neural networks
- 60/2021** Rosafalco, L.; Manzoni, A.; Mariani, S.; Corigliano, A.
Fully convolutional networks for structural health monitoring through multivariate time series classification
- 61/2021** Buchwald, S.; Ciaramella, G.; Salomon, J.; Sugny, D.
A greedy reconstruction algorithm for the identification of spin distribution
- 59/2021** Stella, S.; Regazzoni, F.; Vergara, C.; Dede', L.; Quarteroni, A.
A fast cardiac electromechanics model coupling the Eikonal and the nonlinear mechanics equations
- 58/2021** Tassi, T., Zingaro, A., Dede', L.
Enhancing numerical stabilization methods for advection dominated differential problems by Machine Learning algorithms
- 57/2021** Roberto Piersanti, Francesco Regazzoni, Matteo Salvador, Antonio F. Corno, Luca Dede', Chri
3D-0D closed-loop model for the simulation of cardiac biventricular electromechanics
- 56/2021** Zingaro, A.; Fumagalli, I.; Dede' L.; Fedele M.; Africa P.C.; Corno A.F.; Quarteroni A.
A multiscale CFD model of blood flow in the human left heart coupled with a lumped parameter model of the cardiovascular system
- 53/2021** Ciaramella, G.; Mechelli, L.
On the effect of boundary conditions on the scalability of Schwarz methods