

Accepted Manuscript

Isogeometric Analysis of the electrophysiology in the human heart:
Numerical simulation of the bidomain equations on the atria

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PII: S0045-7825(18)30430-4
DOI: <https://doi.org/10.1016/j.cma.2018.08.032>
Reference: CMA 12047

To appear in: *Comput. Methods Appl. Mech. Engrg.*

Received date: 9 April 2018
Revised date: 13 August 2018
Accepted date: 17 August 2018

Please cite this article as: L. Pegolotti, L. Dedè, A. Quarteroni, Isogeometric Analysis of the electrophysiology in the human heart: Numerical simulation of the bidomain equations on the atria, *Comput. Methods Appl. Mech. Engrg.* (2018), <https://doi.org/10.1016/j.cma.2018.08.032>

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- Isogeometric Analysis is used as solver for the cardiac electrophysiology
- the bidomain equations model the electric wave propagation on atrial surfaces
- a numerical dispersion study for Isogeometric Analysis is performed
- the electrophysiology problem is solved on both atria with a realistic ionic model

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