

## An explicit finite volume numerical scheme for 2D elastic wave propagation

Berezovski, Mihhail; **Berezovski, Arkadi** Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity 2019 / p. 257-280 [https://doi.org/10.1007/978-3-030-29951-4\\_12](https://doi.org/10.1007/978-3-030-29951-4_12) [https://www.esther.ee/record=b5303400\\*est](https://www.esther.ee/record=b5303400*est)

## Discontinuity-driven mesh alignment for evolving discontinuities in elastic solids

Berezovski, Mihhail; **Berezovski, Arkadi** Journal of computational physics 2020 / art. 109542, 21 p

<https://doi.org/10.1016/j.jcp.2020.109542> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Dispersive waves in microstructured solids

**Berezovski, Arkadi; Engelbrecht, Jüri; Salupere, Andrus; Tamm, Kert; Peets, Tanel; Berezovski, Mihhail** International journal of solids and structures 2013 / p. 1981-1990 : ill

## Dynamics of discontinuities in elastic solids

**Berezovski, Arkadi**; Berezovski, Mihhail Mathematics and mechanics of solids 2020 / p. 1416-1428

<https://doi.org/10.1177/1081286517718603> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Full field computing for elastic pulse dispersion in inhomogeneous bars

**Berezovski, Arkadi**; Kolman, Radek; Berezovski, Mihhail; Gabriel, Dusan; Adámek, V. Composite structures 2018 / p. 388-394 : ill

<https://doi.org/10.1016/j.compstruct.2018.07.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Influence of microstructure on thermoelastic wave propagation

**Berezovski, Arkadi; Berezovski, Mihhail** Acta mechanica 2013 / p. 2623-2633 : ill

## Modelling environmentally friendly fairways using Lagrangian trajectories : a case study for the Gulf of Finland, the Baltic Sea

Soomere, Tarmo; **Berezovski, Mihhail; Quak, Ewald; Viikmäe, Bert** Ocean Dynamics 2012 / p. 1669-1680 : ill

## Numerical simulation of acoustic emission during crack growth in 3-point bending test

**Berezovski, Arkadi**; Berezovski, Mihhail Structural control & health monitoring 2017 / e1996, p. 1-8 : ill <http://doi.org/10.1002/stc.1996>

## Numerical simulation of energy localization in dynamic materials

Berezovski, Mihhail; **Berezovski, Arkadi** Advances in mechanics of microstructured media and structures 2018 / p. 75-83

[https://doi.org/10.1007/978-3-319-73694-5\\_5](https://doi.org/10.1007/978-3-319-73694-5_5) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

## Numerical simulation of wave propagation in heterogeneous and microstructured materials = Lainelevi numbriline simulatsioon heterogeensetes ja mikrostruktuuriga materjalides

**Berezovski, Mihhail** 2010 [http://www.esther.ee/record=b2604922\\*est](http://www.esther.ee/record=b2604922*est)

## On the stability of a microstructure model

**Berezovski, Mihhail; Berezovski, Arkadi** Computational materials science 2012 / p. 193-196 : ill

<https://www.sciencedirect.com/science/article/pii/S0927025611000516>

## On wave propagation in laminates with two substructures

**Berezovski, Mihhail; Berezovski, Arkadi; Soomere, Tarmo; Viikmäe, Bert** Estonian journal of engineering 2010 / 3, lk. 228-242 : ill

## Pattern formation of elastic waves and energy localization due to elastic gratings

**Berezovski, Arkadi; Engelbrecht, Jüri; Berezovski, Mihhail** International journal of mechanical sciences 2015 / p. 137-144 : ill

<http://dx.doi.org/10.1016/j.ijmecsci.2015.07.027>

## Temporal scales for transport patterns in the Gulf of Finland

Viikmäe, Bert; Soomere, Tarmo; Viidebaum, Mikk; **Berezovski, Mihhail** Estonian journal of engineering 2010 / 3, p. 211-227 : ill

## Thermoelastic waves in microstructured solids

**Berezovski, Arkadi**; Berezovski, Mihhail Continuous media with microstructure 2 2016 / p. 137-150 [https://doi.org/10.1007/978-3-319-28241-1\\_9](https://doi.org/10.1007/978-3-319-28241-1_9)

## Waves in inhomogeneous solids

**Berezovski, Arkadi; Berezovski, Mihhail; Engelbrecht, Jüri** Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 55-81 : ill

## Waves in materials with microstructure : numerical simulation

**Berezovski, Mihhail; Berezovski, Arkadi; Engelbrecht, Jüri** International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 9

**Waves in materials with microstructure : numerical simulation**

**Berezovski, Mihail; Berezovski, Arkadi; Engelbrecht, Jüri** Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 99-107 : ill