

### **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 <https://doi.org/10.1016/j.ijsolstr.2013.02.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Experimental, analytical, and numerical study of transient elastic waves from a localized source in an aluminium strip**

Mračko, Michal; Adamek, Vítězslav; **Berezovski, Arkadi**; Kober, Jan; Kolman, Radek Applied acoustics 2021 / art. 107983 <https://doi.org/10.1016/j.apacoust.2021.107983> [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](#)

### **Mechanical waves in myelinated axons**

**Tamm, Kert; Peets, Tanel; Engelbrecht, Jüri** Biomechanics and modeling in mechanobiology 2022 / p. 1285-1297 <https://doi.org/10.1007/s10237-022-01591-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Microstructure described by hierarchical internal variables**

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### **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 <https://doi.org/10.1002/stc.1996> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Numerical simulation of two-dimensional wave propagation in functionally graded materials**

**Berezovski, Arkadi; Engelbrecht, Jüri**; Maugin, Gerard A. European journal of mechanics - A/Solids 2003 / p. 257-265 : ill <https://www.sciencedirect.com/science/article/pii/S0997753803000299>

### **On the Mindlin microelasticity in one dimension**

**Berezovski, Arkadi** Mechanics research communications 2016 / p. 60-64 : ill <https://doi.org/10.1016/j.mechrescom.2016.09.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On the physical background of nerve pulse propagation : heat and energy**

**Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel** Journal of non-equilibrium thermodynamics 2021 / p. 343-353 : ill <https://doi.org/10.1515/jnet-2021-0007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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 the wave dispersion in microstructured solids**

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### **Scaling and hierarchies of wave motion in solids**

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### **A two-layer elastic strip under transverse impact loading : analytical solution, finite element, and finite volume simulations**

Adámek, V.; **Berezovski, Arkadi**; Mračko, Michal; Kolman, Radek Mathematics and computers in simulation 2021 / p. 126-140 <https://doi.org/10.1016/j.matcom.2020.10.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Wave propagation in axially graded carbon nanotubes**

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