

B-spline based finite element method in one-dimensional discontinuous elastic wave propagation

Kolman, Radek; Okrouhlik, M.; **Berezovski, Arkadi**; Gabriel, Dusan; Kopačka, J.; Plešek, J. Applied mathematical modelling 2017 / p. 382-395 : ill <https://doi.org/10.1016/j.apm.2017.01.077> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of several numerical methods in one-dimensional discontinuous elastic wave propagation

Kolman, Radek; **Berezovski, Arkadi**; Gabriel, Dusan; **Tamm, Kert** 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 89-92 : ill

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](#)

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](#)