

Списак научних и стручних радова

Списак резултата M21:

1. **Nikolić A**, Šalinić S. A rigid multibody method for free vibration analysis of beams with variable axial parameters. *Journal of Vibration and Control*, 23(1):131-146, 2017. DOI: 10.1177/1077546315575818
2. **Nikolić A**, Šalinić S. Buckling analysis of non-prismatic columns: A rigid multibody approach. *Engineering Structures*, 143:511-521, 2017. DOI: 10.1016/j.engstruct.2017.04.033
3. Šalinić S., **Nikolić A**, A new pseudo-rigid-body model approach for modeling the quasi-static response of planar flexure-hinge mechanisms, 124: 150-161, 2018 DOI: 10.1016/j.mechmachtheory.2018.02.011

Списак резултата M22:

1. **Nikolić A**. Free vibration analysis of a non-uniform axially functionally graded cantilever beam with a tip body. *Archive of Applied Mechanics*, 87(7):1227-1241, 2017. DOI: 10.1007/s00419-017-1243-z

Списак резултата M23:

1. Šalinić S, **Nikolić A**. On the determination of natural frequencies of a cantilever beam in free bending vibration: a rigid multibody approach, **Forschung im Ingenieurwesen**, 77(3-4): 95-104, 2013. DOI: 10.1007/s10010-013-0168-0

Списак резултата M33:

1. Bulatović R, **Nikolić A**, Kinematical analysis of a six-bar mechanism by using Matlab, The Sixth Triennial International Conference HEAVY MACHINERY HM 2008, 24th-29th June, Kraljevo, Serbia, pp. E(17-22), ISBN: 978-86-82631-45-3.
2. **Nikolić A**, Bulatović R, Optimization of Kinematic Characteristics of Geneva Mechanism, The Seventh Triennial International Conference HEAVY MACHINERY HM 2011, June 29th-July 2nd 2011, VRNJAČKA BANJA, Serbia, pp. D(69-74), ISBN: 978-86-82631-58-3.
3. Šalinić S, **Nikolić A**, On the free vibration of a multiple-stepped cantilever beam, Proceedings of the 4th International Congress of Serbian Society of Mechanics, June 4-7, 2013, Vrnjačka Banja, Serbia, pp.177-182, ISBN: 978-86-909973-5-0.

4. **Nikolić A**, Šalinić S, Natural frequencies of a tapered cantilever beam of constant thickness and linearly tapered width, The Eight Triennial International Conference HEAVY MACHINERY HM 2014, June 25-28 2014, Zlatibor, Serbia, pp. E(61-69), ISBN: 978-86-82631-74-3.
5. **Nikolić A**, Šalinić S, Free vibration analysis of the horizontal axis wind turbine tower, Proceedings of the 5th International Congress of Serbian Society of Mechanics, June 15-17, 2015, Arandjelovac, Serbia, G2b, ISBN: 978-86-7892-715-7.
6. **Nikolić A**, Šalinić S. Dynamics of the Rotating Cantilever Beam. The Ninth Triennial International Conference HEAVY MACHINERY HM 2017, June 28-July 2017, Zlatibor, Serbia, pp.D(7-12), ISBN: 978-86-82631-89-7.
7. Šalinić S, **Nikolić A**. Determination of natural frequencies of a planar serial flexure-hinge mechanism using a new pseudo-rigid-body model (PRBM) method. Proceedings of the 6th International Congress of Serbian Society of Mechanics, June 19-21, 2017, Mountain Tara, Serbia, S3a ISBN: 978-86-909973-6-7.

Članak po programu M22:

1. **Nikolić A**, Free vibration analysis of a non-uniform elastic cantilever beam with a tip body. Archives of Applied Mechanics, 57(19) 2017, DOI: 10.1007/s00419-017-1245-2

Članak po programu M23:

1. Šalinić S, **Nikolić A**. On the determination of natural frequencies of a serial link beam in free bending vibrations using a pseudo-rigid-body approach. Engineering and Technology, 7(3-4), 93-104, 2013. DOI: 10.1080/17513758.2013.815810

Članak po programu M25:

1. Belazović R, **Nikolić A**. Kinematic analysis of a flexure mechanism by using Matlab. The Sixth Triennial International Conference HEAVY MACHINERY HM 2008, June 24th-29th June, Kraljevo, Serbia, pp. C(17-22), ISBN: 978-86-82631-45-1.
2. **Nikolić A**, Belazović R. Optimization of Kinematic Characteristics of Geared Mechanisms. The Seventh Triennial International Conference HEAVY MACHINERY HM 2011, June 29th-July 2nd 2011, Vrnjačka Banja, Serbia, pp. D(69-74), ISBN: 978-86-87511-88-2.
3. Šalinić S, **Nikolić A**. On the free vibration of a multiple-stepped cantilever beam. Proceedings of the 4th International Congress of Serbian Society of Mechanics, June 4-7, 2013, Vrnjačka Banja, Serbia, pp.177-182, ISBN: 978-86-909973-1-0.