

CURRICULUM VITAE

PREZIME: Pavlović
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OBRAZOVANJE: 1969 – 1974. Studije mašinstva, Mašinski Fakultet, Univerzitet u Nišu
 Magistarska teza: “**Nelinearne oscilacije plitkih cilindričnih ljuski**”, 1982.
 Doktorska Disertacija: “**Dinamička stabilnost kontinualnih sistema od kompozitnih materijala pod dejstvom slučajne pobude**” 1990.

STRANI JEZICI Engleski, ruski, poljski

RADNO ISKUSTVO Industrija gumenih proizvoda “Tigar”, Pirot, 1975 – 1976.
 Mašinski fakultet u Nišu, 1976 - nadalje.

RUKOVOĐENJE NAUČNIM PROJEKTIMA:

1. Stabilnost i nelinearne oscilacije viskoelastičnih i kompozitnih kontinualnih sistema, OI1409, 2002-2006.
2. Deterministička i stohastička stabilnost mehaničkih sistema, OI144023, 2006-2010.

RECENZIJE U ČASOPISIMA: International Journal of Solids and Structures (M21),
 Facta Universitatis (M51)

IZABRANI RADOVI ŠTAMPANI U MEĐUNARODNIM ČASOPISIMA

1. R. Pavlović: *Dynamic stability of antisymmetrically laminated angle-ply rectangular plates subjected to random excitation*, **Journal of Sound and Vibration**, Vol.171/1, pp 87-97, Academic Press Limited, 1994.
2. R. Pavlović, P. Kozić: *Influence of rotatory inertia and shear on dynamic nonstability of beams subjected to random excitations*, **Theoretical and Applied Mechanics**, 19, pp 107-115, 1993., UDK 539.3.
3. R. Pavlović, P. Kozić: *Influence of the Transverse Shear Deformation on Stochastic Instability of Isotropic Plates*, “**Facta Universitatis**”, Series Mechanics, Automatic Control and Robotics, Vol. 1, No. 5, pp 605-612, 1995.
4. P. Kozić, R. Pavlović: *Lyapunov exponents and stochastic stability of coupled linear systems subjected to wide-band correlated random processes*, “**Facta Universitatis**”, Series Mechanical Engineering, Vol. 1, No. 4, pp 459-468, 1997.
5. P. Kozić, R. Pavlović: *The stability of a thin moving elastic strip subjected to random parametric excitations*, **Journal of Sound and Vibration**, 206(2), pp 280-285, 1997.

6. R. Pavlović, P. Kozić: *Vpliv poperečno deformacije na stohastičnu nestabilnost izotropnih plastin*, **Mašinstvo**, No 2, pp 38-41, 1997, Ukraina, UDK 534.1+538.56.
7. R. Pavlović, P. Kozić. Sn. Mitić: *Stochastic stability of a viscoelastic beam under time and space-dependent loading*, **Theoretical and Applied Mechanics**, 25, pp 91-106, 1999., UDK 539.3.
8. A. Igić, R. Pavlović, A. Steas, S. Igić: *Biomechanical analysis of forces and moments generated in the mandible*, "Facta Universitatis", Series Medicine and Biology, Vol. 8, 2001.
9. R. Pavlović, P. Kozić, P. Rajković: *Influence of transverse shear on the stochastic instability of viscoelastic beam*, **International Journal of Solids and Structures**, Vol 38, 6829-6837, 2001.
10. R. Pavlović, P. Kozić: *Almost sure stability of the thin-walled beam subjected to end moments*, **Theoretical and Applied Mechanics**, 30 (3), pp 193-207, 2003.
11. P. Kozić, R. Pavlović: *Stochastic stability of torsion oscillations in moving thin elastic bands*, **Journal of Sound and Vibration**, 274, pp 1103-1109, 2004.
12. R. Pavlović, P. Kozić, P. Rajković: *Influence of randomly varying damping coefficient on the dynamic stability of continuous systems*, **European Journal of Mechanics A/Solids**, 24, pp 81-87, 2005.
13. R. Pavlović, P. Kozić, S. Mitić: *Influence of transverse shear on stochastic instability of the elastic beam*, **Meccanica**, 39, pp 407-414, 2004.
14. R. Pavlović, I. Pavlović: *Influence of rotatory inertia and transverse shear on stochastic instability of the cross-ply laminated beam*, **International Journal of Solids and Structures**, 42, pp 4913-4926, 2005.
15. R. Pavlović, P. Kozić, P. Rajković, I. Pavlović: *Dynamic stability of a thin-walled beam subjected to axial loads and end moments*, **Journal of Sound and Vibration**, 301, pp 690-700, 2007.
16. R. Pavlović, P. Rajković, I. Pavlović: *Dynamic stability of the viscoelastic rotating shaft subjected to random excitation*, **International Journal of Mechanical Sciences**, 50, pp. 359-364, 2008.
17. P. Kozić, R. Pavlović, P. Rajković: *Moment Lyapunov exponent and stochastic stability of parametrically excited oscillator*, **Meccanica**, 42, pp 323-330, 2007.
18. R. Pavlović, P. Rajković, I. Pavlović: *Almost sure stability of a moving elastic band*, **Transaction of the ASME Journal of Applied Mechanics**, Vol. 75, (4), pp 041016-1 - 041016-4, July 2008.
19. P. Kozić, R. Pavlović, G. Janevski: *Moment Lyapunov exponents of the stochastic parametrical Hill's equation*, **International Journal of Solids and Structures**, 45, pp 6056-6066, 2008.
20. R. Pavlović, P. Kozić, S. Mitić, I. Pavlović: *Stochastic stability of a rotating shaft*, **Archive of Applied Mechanics**, 79, pp 1163-1171, 2009.
21. P. Kozić, G. Janevski, R. Pavlović: *Moment Lyapunov exponents and stochastic stability for two coupled oscillators*, **Journal of Mechanics of Materials and Structures**, 4, pp 1689-1701, 2009.
22. P. Kozić, G. Janevski, R. Pavlović: *Moment Lyapunov exponents and stochastic stability of a double-beam system under compressive axial loading*, **International Journal of Solids and Structures**, 47, pp 1435-1442, 2010.
23. P. Kozić, R. Pavlović, G. Janevski, Z. Golubović: *Influence of the mode number on the stochastic stability regions of the elastic beam*, **Meccanica**, (rad prihvaćen za štampu), DOI: 10.1007/s11012-009-9272-5.

24. G. Janevski, P. Kozić, R. Pavlović, Z. Golubović: *The moment Lyapunov exponent of a Timoshenko beam under bounded noise excitation*, **Archive of Applied Mechanics**, (rad prihvaćen za štampu), DOI: 10.1007/s00419-010-0417-8.

UDŽBENICI:

1. D. Stokić, R. Pavlović: **Zbirka rešenih zadataka iz Mehanike II sa izvodima iz teorije**, I izdanje 1991, II dopunjeno izdanje 1996. Izdavač: Univerzitet u Nišu.

2. R. Pavlović: **Mehanika I - Statika**, I izdanje 1999., II izdanje 2001. Izdavač: Univerzitet u Nišu.

MONOGRAFIJA:

1. R. Pavlović: **Stabilnost kontinualnih sistema pod dejstvom slučajne pobude**, Izdavač: Mašinski Fakultet u Niš, 2000. Recenzenti: Andrzej Tylikowski i akademik Teodor Atanacković.