

## References

1. Areshyan G.L., Vantsyan A.A., Phyliposyan G.T. Theoretical and experimental investigation of distribution of discharge currents in the cylindrical specimen. *Izv. AS AR Mechanics*. 1991. vol.44, №1. pp.37-43 (in Russian).
2. Bagdoev A.G., Vantsyan A.A. Theoretical and experimental investigations of waves in plate in magnetic field of space and averaged problems. *Int. J. Solids and Structures* 39. (2002) pp.25-29.
3. Bagdoev A.G., Vantsyan A.A. Penetration of thin bodies in the elastic media, *Izv. AS Arm. SSR, Mechanics*, 1981. vol. 34. №1. pp. 3-15.
4. Bagdoev A.G., Vantsyan A.A. Penetration of thin bodies in the metals and soils. *Izv. AS Arm. SSR, Mechanics*. 1981. vol. 34. №1. pp. 25-28.
5. Bagdoev A.G., Vantsyan A.A. Penetration of thin bodies in the different media, *Mechanics*, IV International congress. Varna 1981.
6. Bagdoev A.G., Vantsyan A.A. Penetration of thin bodies in the metals. *MTT*. 1982. №2. 191p.
7. Bagdoev A.G., Vantsyan A.A. Influence of discharge currents of the capacitors on the mechanical phenomena in the specimens. III All Union symposium "Theoretical problems of the magneto elasticity". E. 1984. 178p.
8. Bagdoev A.G., Vantsyan A.A. Influence of impulsive currents on the mechanical phenomena. *Contemporary problems of physics and applications*, Moscow, 1984. 55p.
9. Bagdoev A.G., Vantsyan A.A. Influence of discharge currents on dynamic processes in the metallic specimens. "The problems of interaction of deformable media". E. 1984. 349p.
10. Bagdoev A.G., Vantsyan A.A. Influence of anisotropic properties of metals and impulsive currents on penetration. *Contemporary problems of the mechanics and technology machinindustry*. Moscow, M. 1986.
11. Bagdoev A.G., Vantsyan A.A. Penetration of thin body in the plastic media in to account of anisotropic properties and impulsive current. IV All Union conference of the theoretical and application Mechanics, Tashkent. 1986. 69p.
12. Bagdoev A.G., Vantsyan A.A., Pakhalov V.B. Determination of distribution of the currents and elastic fields on the impulsive current in metals. *Izv. AS Arm. SSR, Mechanics*, 1986, vol.39, №1, pp.3-11.
13. Bagdoev A.G., Vantsyan A.A. Influence of discharge currents on the mechanical phenomena in the metallic specimens. *Izv. AS SSSR, MTT*, 1988. vol.41. pp.179-180.
14. Hovsepyan D. Kh., Vantsyan A.A. The numerical analysis of influence of discharging parameters of LRC chains (circuits) on the character of distributions of stresses and current density. International Conference «Mechanics of composites and optimal design», Yerevan, 2006, pp.61-62.
15. Vantsyan A.A. Influence of the electromagnetic field and anisotropic properties of the media on the dynamic processes in continuous media. 2004. 224p.
16. Vantsyan A.A. Determination of the penetration depth of thin body into metals. *DAN Arm SSR*. 1981. vol.72. №2. pp.95-102.
17. Vantsyan A.A. Theoretical and experimental results of penetration into metals prossidings *AS Arm. SSR*. 1981. 273p.
18. Vantsyan A.A. Penetration of the obtuse cone, passing to the cylinder initially elastic media. "The problems of the dynamics of interaction of the deformable media". 1987. 291p.
19. Vantsyan A.A., Petrosyan T.L. Experimental investigation of penetration of the cone, passing to the cylinder into soils. "The problems of the dynamics of interaction of the deformable media" Erevan. 1987. 291p.
20. Vantsyan A.A. Vibropenetration of rigid metallic bodies into electro conducting soils in the presence of the alternating or direct currents. *Prossidings AS Arm SSR. Mechanics*. 1987. vol. 40. №5, pp.40-45.

21. Vantsyan A.A., Grigoryan M.S., Mkhitarian A.M. Penetration of the thin rigid bodies into anisotropic metals media and into isotropic media in the presence of impulsive currents. Problems of the applied aerodynamics. "Collection of the scientific works" Kiev. 1987. pp.62-67.
22. Vantsyan A.A. About axisimmetricity of the penetration and inculcation problem rigid sherped axisimetric bodies into metallic media. Prossidings of international conference of the theoretical and application applied mechanics. 1994.
23. Vantsyan A.A., Movsisyan A.A., Khachatryan B.K. Experimental investigation of influence of the electromagnetic fields on the penetration of rigid bodies into metals and soils. The conference devoted to 65 anniversary of the department of theoretical mechanics ESU. 1995.
24. Vantsyan A.A., Movsisyan A.A. Penetration of the indenter into soils in the presence of alternating electromagnetic fields. Izv. NAS AR. Mechanics. 1996. №3.
25. Vantsyan A.A., Hovsepyan D.Kh. Penetration of deformable indenters by different forms into initially elastic media. Armenian Army. 2005. vol.1(43), pp.59-64.
26. Vantsyan A.A., Hovsepyan D.Kh. Penetration of deformable indenter into initially elastic medium in the presence of magnetic field. V International conference "Problems of dynamic interaction of deformable media" Goris. 2005. pp.105-115.
27. Vantsyan A.A., Hovsepyan D.Kh. Stress-strain state of the compact of deformable indenter at the elastic half space on the presence of discharge current. V international conference „Problems of dynamic interaction of deformable media” Goris. 2005, pp.116-125.
28. Vantsyan A.A., Hovsepyan D.Kh. Perforation of the metallic plate by deformable indenter in the presence of discharge current. Presiding VI international conference „Problems of dynamic interaction of deformable media” Goris-Stepanakert, 2008. pp.140-149.
29. Vantsyan A.A., Hovsepyan D.Kh. Electrodynamic method of increase of the impact strengths of the armour. Armenian Army. 2009. 1-2 (59-60), pp.198-207.
30. Vantsyan AA, Hovsepyan D.Kh. The penetration of deformable indenter into half-space in the presence of discharge current and magnetic field. Actual problems of Mechanics of continuum media. Yerevan. 2007. p.497-499.
31. Vantsyan A.A. Influence of the electromagnetic field and anisotropic properties of the media on the dynamic processes in continuous media. 2004. 224p.
32. Vantsyan A.A., Grigoryan M.S., Mkhitarian A.M. Penetration of the thin rigid bodies into anisotropic metals media and into isotropic media in the presence of impulsive currents. Problems of the applied aerodynamics. "Collection of the scientific works" Kiev. 1987. pp.62-67.
33. Vantsyan A.A. About axisimmetricity of the penetration and inculcation problem rigid sherped axisimetric bodies into metallic media. Prossidings of international conference of the theoretical and application applied mechanics. 1994.
34. Vantsyan A.A., Movsisyan A.A., Khachatryan B.K. Experimental investigation of influence of the electromagnetic fields on the penetration of rigid bodies into metals and soils. The conference devoted to 65 anniversary of the department of theoretical mechanics ESU. 1995.
35. Vantsyan A.A., Movsisyan A.A. Penetration of the indenter into soils in the presence of alternating electromagnetic fields. Izv. NAS AR. Mechanics. 1996. №3.
36. Vantsyan A.A., Hovsepyan D.Kh. Penetration of deformable indenters by different forms into initially elastic media. Armenian Army. 2005. vol.1(43), pp.59-64.
37. Vantsyan A.A., Hovsepyan D.Kh. Penetration of deformable indenter into initially elastic medium in the presence of magnetic field. V International conference "Problems of dynamic interaction of deformable media" Goris. 2005. pp.105-115.
38. Vantsyan A.A., Hovsepyan D.Kh. Stress-strain state of the compact of deformable indenter at the elastic half space on the presence of discharge current. V international conference „Problems of dynamic interaction of deformable media” Goris. 2005, pp.116-125.

39. Vantsyan A.A., Hovsepyan D.Kh. Perforation of the metallic plate by deformable indenter in the presence of discharge current. Presiding VI international conference „Problems of dynamic interaction of deformable media” Goris–Stepanakert, 2008. pp.140-149.
40. Vantsyan A.A., Hovsepyan D.Kh. Electrodynamic method of increase of the impact strengths of the armour. Armenian Army. 2009. 1-2 (59–60), pp.198-207.
41. Vantsyan AA, Hovsepyan D.Kh. The penetration of deformable indenter into half-space in the presence of discharge current and magnetic field. Actual problems of Mechanics of continuum media. Yerevan. 2007. p.497-499.
42. Vantsyan A.A., Hovsepyan D.Kh. Dynamic interaction of deformable indenter and target in the presence of discharge current. Y. 2010. 300p.