

2. FUNCTIONAL EQUATIONS AND INEQUALITIES

Books Authored

1. *Mathematical Analysis : Multivariable Calculus* , Vol. III , 1996 , Symmetry Publ. , Greece

Books Edited

- *Functional Analysis , Approximation Theory and Numerical Analysis* , World Scientific , 340 pp,1994
- *Geometry , Analysis and Mechanics* , World Scientific ,388 pp,1995
- *Advances in Equations and Inequalities* , Hadronic Press , USA , 1999
- *Mathematical Equations and Inequalities* , Vol. I , Greece ,1999
- *Mathematical Equations and Inequalities* , Vol. II , Greece ,1999

Published Papers

1. *On approximation of approximately linear mappings by linear mappings* , J. Funct. Anal. **46** (1982) , no. 1 , 126-130
2. *On approximation of approximately linear mappings by linear mappings* , Bull. Sci. Math. (2) **108** (1984) , no. 4 , 445-446
3. *On a new approximation of approximately linear mappings by linear mappings* , Discuss. Math. **7** (1985) , 193-196
4. *Solution of a problem of Ulam* , J. Approx. Theory **57** (1989), no. 3, 268-273
5. *Solution of a stability problem of Ulam* , Discuss. Math. **12** (1992) , 95-103
6. *On the stability of the Euler-Lagrange functional equation* , Chinese J. Math. **20** (1992) , no. 2 , 185-190
7. *Stefan Banach , Alexander Markowic Ostrowski , Stanislaw Marcin Ulam* , “Functional analysis, approximation theory and numerical analysis”, 241-249, World Sci. Publishing, River Edge, NJ , (1994)
8. *Complete solution of the multi – dimensional problem of Ulam* , Discuss. Math. **14** (1994) , 101-107
9. *On the stability of the multi-dimensional nonlinear Euler-Lagrange functional equation* , “Geometry, Analysis and Mechanics” , 275-285 , World Sci. Publishing, River Edge , NJ , (1994)
10. *On the stability of the non-linear Euler-Lagrange functional equation in real normed linear spaces* , J. Math. Phys. Sci. **28** (1994) , no.5 , 231-235
11. *On the stability of a multi-dimensional Cauchy type functional equation* , “Geometry, Analysis and Mechanics” , 365-376 , World Sci. Publishing, River Edge, NJ , (1994)

12. *Solution of a stability problem of Ulam* , “Functional analysis, approximation theory and numerical analysis” , 241-249 , World Sci. Publishing, River Edge, NJ , (1994)
13. *On the stability of the general Euler – Lagrange functional equation* , Demonstratio Math. **29** (1996) , no. 4 , 755-766
14. *Solution of the Ulam stability problem for Euler-Lagrange quadratic mappings* , J. Math. Anal. Appl. **220** (1998) , no. 2 , 613-639
15. *Solution of the Ulam stability problem for quartic mappings* , Glasnik Matematički Ser. III **34 (54)** (1999) , no. 2 , 243-252
16. *On the stability of the multi-dimensional Euler-Lagrange functional equation* , J. Indian Math. Soc. (N. S.) **66** (1999) , no. 1-4 , 1-9
17. *Solution of the General Dth Degree Functional equation* , (A.E.I. : Advances in Equations and Inequalities) , Hadronic Press , Fl. , USA , (1999) ,185-189
18. *Generalization of the Euler Theorem to Heptagons leading to a Quadratic Vector Identity* , (A.E.I. : Advances in Equations and Inequalities) , Hadronic Press , Fl. , USA , (1999) ,179-183
19. *Augustin Louis Cauchy , His Life and His Work* , (A.E.I. : Advances in Equations and Inequalities) , Hadronic Press , Fl. , USA , (1999) ,1-25
20. *On the Euler stability problem* , J. Indian Math. Soc. (N.S.) **67** (2000) , no.1-4 , 1-15
21. *Solution of the Ulam stability problem for nonlinear five-dimensional Euler quadratic mappings* , Southeast Asian Bull. Math. (Springer-Verlag) **24** (2000) , no. 4, 617-621
22. *On approximation of approximately quadratic mappings by quadratic mappings* , Ann. Math. Sil. , No. 15 (2001) , 67-78
23. *Solution of a quadratic stability Hyers-Ulam type problem* , Ricerche Mat. **50** (2001) , no. 1 , 9-17
24. *Solution of a Cauchy – Jensen stability Ulam type problem* , Archivum Mathematicum (Brno) **37** (2001) , no.3 , 161-177
25. *Solution of the Ulam stability problem for cubic mappings* , Glasnik Matematički Ser. III **36 (56)** (2001) , no.1 , 63-72
26. *Hyers–Ulam stability for a quadratic functional equation in several variables* , J. Indian Math. Soc. (N. S.) **68** (2001) , no.1-4, 65 - 73
27. *On the Ulam stability of mixed type mappings on restricted domains* , J. Math. Anal. Appl. **276** (2002) , no. 2 , 747-762
28. *On the Hyers-Ulam stability problem for quadratic multi-dimensional mappings* , Aequationes Math. (Birkhauser-Verlag) **64** (2002) , no.1-2 , 62-69
29. *Solution of the Ulam stability problem for an Euler type quadratic functional equation* , Southeast Asian Bull. Math. **26** (2002) , 101-112
30. *On the Hyers-Ulam stability problem for quadratic multi-dimensional mappings on the Gaussian plane* , Southeast Asian Bull. Math. **26** (2002) , 483-502
31. *On some approximately quadratic mappings being exactly quadratic* , (with M. J. Rassias) , J. Ind. Math. Soc. **69** (2002) , 155-160.
32. *On the Ulam stability of Jensen and Jensen type mappings on restricted domains* , (with M. J. Rassias) , J. Math. Anal. Appl. **281** (2003),516-524
33. *On the quadratic functional inequality involving a sum of powers of norms* , Intern. J. Math. Sciences **2** (2003) , no. 1 , 173-184
34. *On the general quadratic functional equation* , Libertas Math. , 23(2003),165-174.

35. *Solution of a quadratic stability Ulam type problem* , Archivum Mathematicum 40(2004) , 1-16 pp.
36. *On the Hyers-Ulam Stability of the m-Quadratic Mappings* , Intern.J.Math.Sci.
37. *The Ulam stability problem on approximation of approximately quadratic mappings by quadratic mappings* , J.Inequ.Pure & Appl.Math.