

Full Publication List

1. "Σημειώσεις Μαθημάτων Πεδιακής Θεωρίας", (με Α. Γιαννούση), Διδακτικές Σημειώσεις, 70 σελίδες, Τμήμα Φυσικής, Πανεπιστήμιο Πατρών 1970
2. "Convergent Low-Frequency Expansions for Penetrable Scatterers, Doctoral Dissertation, Department of Mathematics, University of Illinois at Chicago 1975
3. "Convergent Low-Frequency Expansions for Penetrable Scatterers", Dissertation Abstracts International, 36, 4, 1975
4. "Convergent Low-Frequency Expansions for Penetrable Scatterers", Journal of Mathematical Physics, 18, pp. 126-137, 1977
5. "Γενικευμένες Συναρτήσεις", Γενικό Σεμινάριο Μαθηματικών Πανεπιστημίου Πατρών, έτους 1975-76, том. 2, σελ. 67-84, 1977
6. "Long Wavelength Acoustical Scattering for Resistive Bodies", Proceedings of the Balkan Congress on Applied Mathematics, pp. 632-648, Thessaloniki, 1976
7. "Θεμελίωση και Εφαρμογές της Θεωρίας Σκέδασης Κυματικών Πεδίων", Γενικό Σεμινάριο Μαθηματικών Πανεπιστημίου Πατρών, έτος 1976-77, том. 3, σελ.33-56, 1978
8. "Ασκήσεις Γενικής Τοπολογίας", Βιβλίο, 102 σελίδες, Αθήνα, 1977
9. "Θεωρία της Βέλτιστης Τεχνικής για την Διεξαγωγή ενός Αγώνα Δρόμου", Μαθηματική Επιθεώρηση, ΕΜΕ, том. 7, σελ. 122-142, 1977
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11. "Ασυμπτωτική Ανάλυση και Ολοκληρωτικοί Μετασχηματισμοί", Διαλέξεις-77, ΕΜΕ, том. 1, σελ. 122-182, 1978
12. "Μερικές Διαφορικές Εξισώσεις", Σημειώσεις Σεμιναρίου ΕΜΠ, 146 σελίδες, 1978
13. "Μεικτά Προβλήματα Συνοριακών Τιμών στη Θεωρία Σκεδάσεως σε Χαμηλές Συχνότητες. Σκέδαση από Ομοεστιακά Ελλειπσοειδή", Διατριβή για Υψηλές Εφαρμοσμένων Μαθηματικών, Εθνικό Μετσόβιο Πολυτεχνείο, 1978
14. "Μαθηματική Μελέτη της Σκεδάσεως Ακτίνων Χ από την Κύρια Ελικά του DNA", Μαθηματική Επιθεώρηση, ΕΜΕ, том. 9, σελ. 116-128, 1978
15. "Equipartition of Energy for Maxwell's Equations", Quarterly of Applied Mathematics, 37, pp. 465-469, 1980
16. "Equipartition of Energy in Elastic Wave Propagation", Mechanics Research Communications, 6, pp. 45-50, 1979
17. "Second Order Low-Frequency Scattering for the Soft Ellipsoid", SIAM Journal of Applied Mathematics, 38, pp. 373-381, 1980
18. "Density Discontinuities and Local Energy Decay in Acoustic, Wave Propagation", Proceedings of the Athens National Academy, 54, pp. 288-303, 1979
19. "Asymptotic Equipartition of Kinetic and Strain Energy for Elastic Waves in Anisotropic Media", (with E. Galanis), Quarterly of Applied Mathematics, 39 pp. 121-128, 1980
20. "Μία Ιστορική Ανασκόπηση της Μαθηματικής Ανάλυσης", Μαθηματική Επιθεώρηση, ΕΜΕ, том. 13, σελ. 151-176, 1979
21. "Ποιά είναι η Μισή Παράγωγος μιας Συνάρτησης; Μια Εισαγωγή στον Κλασματικό Λογισμό", Μαθηματική Επιθεώρηση, ΕΜΕ, том. 14, σελ. 23-38, 1979
22. "Ισοκατανομή Ενέργειας στην Κυματική Διάδοση", Μαθηματική Επιθεώρηση, ΕΜΕ, том. 15, σελ. 40-59, 1979
23. "Low-Frequency Scattering Theory for a Penetrable Body with an Impenetrable Core", SIAM Journal on Applied Mathematics, 42, pp. 272-280, 1982
24. "Scattering of Acoustic Waves by a Coated Pressure-Release Ellipsoid", Journal of the Acoustical Society of America, 70, pp. 176-185, 1981
25. "Energy Theorems for Magnetoelastic Waves in a Perfectly Conducting Medium", Quarterly of Applied Mathematics, 39, pp. 479-490, 1982

26. "Προβλήματα Ενεργειακής Κατανομής στην Κυματική Διάδοση", Συμπόσιο Ανοικτών Μαθηματικών Προβλημάτων, Πρακτικά, σελ. 7-13, Εθνικό Μετσόβιο Πολυτεχνείο, 1980
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28. "Local Energy Decay for Scattering of Elastic Waves", Journal of Differential Equations, 49, pp. 124-141, 1983
29. "Equipartition of Energy in Scattering Theory", (with M. Grillakis), SIAM Journal on Mathematical Analysis, 14, pp. 915-924, 1983
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31. "Ενεργειακή Συμπεριφορά των Κυμάτων", Γενικό Σεμινάριο Μαθηματικών Πανεπιστημίου Πατρών, έτος 1981-82, том. 8, σελ. 143-160, 1982
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33. "Μαθηματική Αντιμετώπιση της Κυματικής Διάδοσης", Σεμινάριο Φυσικού Τμήματος, Πανεπιστήμιο Πατρών, 1982
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35. "Dissipation Rates and Partition of Energy in Thermoelasticity", (with M. Grillakis), Archive for Rational Mechanics and Analysis, 87, pp. 49-91, 1984
36. "The Low-Frequency Theory of Elastic Wave Scattering", (with K. Kiriaki), Quarterly of Applied Mathematics, 42, pp. 225-248, 1984
37. "Κατανομή Ενέργειας κατά τη Διάδοση Ελαστικών Κυμάτων σε Ισότροπα και σε Ανισότροπα Μέσα", Εθνικό Συνέδριο της ΕΕΘΕΜ, Πρακτικά, σελ. 30-37, Αθήνα, 1983
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39. "A Useful Application on Gauss Theorem", (with K. Kiriaki), Bulletin of the Greek Mathematical Society, 28, pp. 39-43, 1987
40. "Μαθηματικά για Χημικούς", Διδακτικές Σημειώσεις, 216 σελίδες, Πανεπιστήμιο Πατρών, 1981
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42. "Η 1,75-Παράγωγος και το -Ολοκλήρωμα. Ιστορία και Προοπτικές του Κλασματικού Λογισμού", Γενικό Σεμινάριο Μαθηματικών Πανεπιστημίου Πατρών, έτος 1983-84, том. 10, σελ. 62-79, 1984
43. "The Rigid Ellipsoid in the Presence of a Low-Frequency Elastic Wave", (with K. Kiriaki), Quarterly of Applied Mathematics, 43, pp. 435-456, 1986
44. "Reduction of Elastic Scattering Problems to Potential Theory", (with K. Kiriaki), Seventh Mathematical Congress of the Balkan Union of Mathematicians, Athens, 1983
45. "A Matrix Approach to the Energy-Norm Bisection in Wave Motion", Bulletin of the Greek Mathematical Society, 23, pp. 95-141, 1982
46. "Asymptotic Equipartition Rate for Wave Motion in an Even Number of Space Dimensions", (with M. Grillakis), Journal of Mathematical Analysis and its Applications, 120, pp. 44-52, 1986
47. "The Ellipsoidal Cavity in the Presence of a Low-Frequency Elastic Wave", (with K. Kiriaki), Quarterly of Applied Mathematics, 44, pp. 709-735, 1987
48. "Energy Behavior for Conservative and Dissipative Wave Process in Continuum Mechanics", Third International Conference on Differential Equations and Applications, Rousse, 1985
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59. "Estimates for Low-Frequency Elastic Scattering by a Rigid Body", (with L. Payne), Journal of Elasticity, 20, pp. 161-180, 1988
60. "Energy Bounds for Rayleigh Scattering by an Elastic Cavity", (with L. Payne), Journal of Mathematical Analysis and its Applications, 138, pp. 106-128, 1989
61. "On the Harmonic Radius and the Capacity of an Inverse Ellipsoid", Journal of Mathematical Physics, 29, pp. 835-836, 1988
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100. "Scattering of Elastic Waves by a Small Thermoelastic Body", (with V. Kostopoulos), *International Journal of Engineering Science*, 32, pp. 1593-1603, 1994
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102. "A Thermoelastic Approach to Laser Spallation", (with V. Kostopoulos), *SIAM-INRIA Second International Conference on Mathematical and Numerical Aspects of Wave Propagation, Extended Abstracts*, p. 17, Newark, 1993
103. "Index Weaving and Generation of Semiseparable Solutions" , in "Inverse Scattering and Potential Problems in Mathematical Physics": R.E. Kleinman, R. Kress and E. Martensen (Eds), 40, *Proceedings*, pp. 33-46, Conference on Methods & Applications of Mathematical Physics, Oberwolfach, 1993
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106. "Ρυθμοί Μάθησης και Παράγοντες Βελτίωσης στη Διαδικασία Απόκτησης Γνώσεων", Διάλεξη για την επέτειο των 75 χρόνων της Ελληνικής Μαθηματικής Εταιρείας Αθήνα, 1993
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