

Γεώργιος Θρουμουλόπουλος

Προσωπικά στοιχεία

Ημερομηνία και τόπος γέννησης: 28 Μαρτίου 1956, Φορτόσι Ιωαννίνων
Οικογενειακή κατάσταση: Έγγαμος και πατέρας δύο παιδιών
Διεύθυνση εργασίας: Τομέας Αστρογεωφυσικής, Τμήμα Φυσικής, Πανεπιστήμιο Ιωαννίνων (ΠΙ), ΤΘ 1186, 451 10 Ιωάννινα.
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Σπουδές, τίτλοι, θέσεις

Αναπληρωτής καθηγητής, ΠΙ (2007-)
Επίκουρος καθηγητής, ΠΙ (1998-2006)
Λέκτορας, ΠΙ (1990-98)
Διδακτορική διατριβή στη Φυσική Πλάσματος, ΠΙ (1989)
Πτυχίο Φυσικής, ΠΙ (1979)

Διδακτική εμπειρία: Διδασκαλία των ακόλουθων μαθημάτων των Τμήματα Φυσικής και Μαθηματικών ΠΙ (1989-): Διαφορικές Εξισώσεις, Κλασική Μηχανική, Μαθηματικά για Φυσικούς, Διαφορικές Εξισώσεις και Εισαγωγή στη Μιγαδική Ανάλυση, Φυσική Πλάσματος (προπτυχιακό και μεταπτυχιακό), Πηγές Ενέργειας, Φυσικές Πηγές Ενέργειας, Φυσικοί Πόροι και Προστασία του Περιβάλλοντος, Γενική Φυσική, Μαθηματικές Μέθοδοι Φυσικής, Μαθηματική Φυσική, Κλασική Ηλεκτροδυναμική, Στατιστική Φυσική, Υπολογιστικές Μαθηματικές Μέθοδοι Φυσικής (μεταπτυχ.)

Διδακτικό σύγγραμμα: Εισαγωγή στη Φυσική Πλάσματος, Γ. Παντής - Γ. Ν. Θρουμουλόπουλος, 1998.

Επιβλέψεις μεταπτυχιακών εργασιών: μια διδακτορική διατριβή και έξη μεταπτυχιακά διπλώματα ειδίκευσης στη Φυσική, δύο διδακτορικές διατριβές υπό επίβλεψη. Συμμετοχή σε συμβουλευτικές και εξεταστικές επιτροπές μεταπτυχιακών τίτλων.

Ερευνητικά ενδιαφέροντα: Εστιάζονται κύρια στη Φυσική Πλάσματος Σύντηξης, και ειδικότερα σε μελέτη γραμμικής και μη γραμμικής ισορροπίας και ευστάθειας μαγνητικά περιορισμένου πλάσματος. Η έρευνα διεξάγεται στα πλαίσια της μαγνητοϋδροδυναμικής θεωρίας, θεωρίας πολλών ρευστών και κινητικής θεωρίας.

Δημοσιεύσεις : 60 δημοσιεύσεις σε έγκριτα περιοδικά (28 από τις οποίες στην τρέχουσα θέση), 2 εργασίες υπό δημοσίευση, και 59 δημοσιεύσεις σε πρακτικά συνεδρίων.

Επισκέψεις σε ερευνητικά και εκπαιδευτικά Ιδρύματα

- Max-Planck Institute for Plasma Physics, Garching, Germany, 1991-
Στα πλαίσια μεταδιδακτορικής έρευνας, μετά την οποία εδραιώθηκε ερευνητική συνεργασία μεγάλης διάρκειας, έχουν πραγματοποιηθεί πολυάριθμες επισκέψεις συνολικής διάρκειας εξήντα μηνών. Οι επισκέψεις αυτές έχουν υποστηριχθεί από τη Euratom μέσω ατομικής υποτροφίας Marie-Curie και συμβολαίων κινητικότητας επιστημόνων (mobility contracts).
- Université Libre de Bruxelles (ULB), 1995, Service de Physique Statistique, Plasmas et Optique Non Linéaire.

Επιστημονικές ευθύνες

1. Επιστημονικά υπεύθυνος στα ακόλουθα ερευνητικά προγράμματα:

- Investigation of negative-energy perturbations in certain classes of collisionless Maxwell-drift kinetic equilibria and of their impact on magnetic confinement systems, συμβόλαιο καθορισμένης συνεισφοράς (fixed contribution contract) μεταξύ της Euratom και του ΠΙ, 1996-1999.
 - Stationary MHD and kinetic modes in magnetically confined plasmas, πρόγραμμα μεγάλης διάρκειας (παρατεινόμενο κάθε έτος) στα πλαίσια της συμμετοχής του Πανεπιστημίου Ιωαννίνων στο Εθνικό Πρόγραμμα Ελεγχόμενης Θερμοπυρηνικής Σύντηξης [“Ένωση Euratom-Ελληνική Δημοκρατία” (Association Euratom-Hellenic Republic)], 1999- .
 - “On ITER equilibria, stability, and dynamics with sheared flow in connection with advanced confinement regimes”, συντονιστής (principal investigator), κοινή πρόταση των ΠΙ, Max-Planck Institute for Plasma Physics (Garching), Center of Theoretical Physics (CPT, Marseille), και University of Texas and Institute for Fusion Studies, εγκεκριμένη από την κοινοπραξία EUROfusion ως πρόγραμμα συμπληρωματικής έρευνας, 2014.
 - “Hamiltonian methods and numerical algorithms for fusion plasmas”, συντονιστής (principal investigator), κοινή πρόταση των ΠΙ, Εθνικού Μετσόβιου Πολυτεχνείου, Αριστοτελείου Πανεπιστημίου Θεσσαλονίκης, Max-Planck Institute for Plasma Physics (Garching), Center of Theoretical Physics (CPT, Marseille), Graz University of Technology, και University of Texas and Institute for Fusion Studies, εγκεκριμένη από την κοινοπραξία EUROfusion ως πρόγραμμα συμπληρωματικής έρευνας, 2015-2016 (Παράρτημα Α).
2. Συμμετοχή στο ερευνητικό πρόγραμμα "Multi-dimensional multi-fluid plasma models for modeling the alpha particles from thermonuclear reactions using the two-fluid approximation" σε συνεργασία με το Ινστιτούτο Ηλεκτρονικής Δομής και Λέιζερ, Ίδρυμα Τεχνολογίας και Έρευνας (ΙΤΕ), Ηράκλειο.
3. Εκπρόσωπος της εταιρίας “ Ένωση Euratom-Ελληνική Δημοκρατία” στην Επιτροπή Φυσικής Σύντηξης (Fusion Physics Committee) της Euratom, 1999-2002.

4. Εκπρόσωπος της εταιρίας “Ένωση Euratom-Ελληνική Δημοκρατία” στην Επιστημονική και Τεχνολογική Συμβουλευτική Επιτροπή (Scientific and Technical Advisory Committee) της Euratom, 2002-2007.
5. Μέλος της συντακτικής επιτροπής (editorial board) του ευρέος πεδίου νέου έγκριτου περιοδικού ελεύθερης πρόσβασης “Heliyon”, Elsevier, 2015-
6. Σύμβουλος δημοσιεύσεων (κριτής) στα περιοδικά Physics of Plasmas, Plasma Physics and Controlled Fusion, Journal of Plasma Physics, Journal of Computational Physics, και Plasma Science and Technology.

Αναφορές: περίπου 200 ετεροαναφορές στο δημοσιευμένο έργο.

Δημοσιεύσεις σε έγκριτα περιοδικά

1. Time dependent net core breeding gain of fusion-fission symbiotic systems, G. N. Throumoulopoulos and G. Pantis, Fusion Technology **10**, 149 (1986)
2. The Grad-Shafranov equation under a conformal mapping transformation, Analytic solutions with emphasis on compact toroidal configurations, G. N. Throumoulopoulos and G. Pantis, Nucl. Fusion **26**, 1501 (1986)
3. Analytic axisymmetric MHD spheromak type equilibria in parabolic coordinates, G. N. Throumoulopoulos and G. Pantis, Phys. Lett. **A121**, 423 (1987)
4. Analytic axisymmetric magnetohydrodynamic equilibria of a plasma torus with toroidal mass flow, G. N. Throumoulopoulos and G. Pantis, Phys. Fluids **B1**, 1827 (1989)
5. Axisymmetric force-free states and relaxation of a spheroidal spheromak, G. N. Throumoulopoulos and G. Pantis, Plasma Phys. Control. Fusion **32**, 541 (1990)
6. Tokamak relaxation model with toroidal plasma rotation, G. N. Throumoulopoulos and G. Pantis, Phys. Lett. **A170**, 99 (1992)
7. Negative-energy modes in magnetically confined plasma in the framework of Maxwell-drift kinetic theory, G. N. Throumoulopoulos and D. Pfirsch, Phys. Rev. **E49**, 3290 (1994)

8. Negative-energy perturbations in circularly cylindrical equilibria within the framework of Maxwell-drift kinetic theory,
G. N. Throumoulopoulos and D. Pfirsch,
Phys. Rev. **E53** 2767 (1996)
9. Magnetohydrodynamic equilibria of a cylindrical plasma with poloidal mass flow and arbitrary cross sectional shape,
G. N. Throumoulopoulos and G. Pantis,
Plasma Phys. Control. Fusion **38**, 1817 (1996)
10. Cylindrical ideal magnetohydrodynamic equilibria with incompressible flows,
G. N. Throumoulopoulos and H. Tasso,
Phys. Plasmas **4**, 1492 (1997)
11. Negative-energy perturbations in cylindrical equilibria with a radial electric field,
G. N. Throumoulopoulos and D. Pfirsch,
Phys. Rev. **E56** 5979 (1997)
12. Axisymmetric ideal magnetohydrodynamic equilibria with incompressible flows,
H. Tasso and G. N. Throumoulopoulos,
Phys. Plasmas **5**, 2378 (1998)
13. Nonlinear axisymmetric resistive magnetohydrodynamic equilibria with toroidal flow,
G. N. Throumoulopoulos,
J. Plasma Physics **59**, 303 (1998)
14. A potential mechanism for the creation of reversed-magnetic-shear transport barriers in tokamaks,
G. N. Throumoulopoulos and D. Pfirsch,
Phys. Plasmas **6**, 3226 (1999)
15. Ideal magnetohydrodynamic equilibria with helical symmetry and incompressible flows,
G. N. Throumoulopoulos and H. Tasso,
J. Plasma Physics **62**, 449 (1999)
16. On resistive magnetohydrodynamic equilibria of axisymmetric toroidal plasma with flow,
G. N. Throumoulopoulos and H. Tasso,
J. Plasma Physics **64**, 601 (2000)
17. On Lyapunov stability of nonautonomous mechanical systems,
H. Tasso, G. N. Throumoulopoulos,
Phys. Lett. A **271**, 413 (2000)
18. Axisymmetric equilibria of a gravitating plasma with incompressible flows,
G. N. Throumoulopoulos and H. Tasso,

Geophys. Astrophys. Fluid Dynamics **94**, 249 (2001)

19. Analytic magnetohydrodynamic equilibria of a magnetically confined plasma with sheared flows,
Ch. Simintzis, G. N. Throumoulopoulos, G. Pantis, H. Tasso,
Phys. Plasmas **8**, 2641 (2001)
20. Wall stabilization and the Mathieu-Hill equations,
H. Tasso and G. N. Throumoulopoulos,
Phys. Plasmas **9**, 2662 (2002)
21. Two-step control of wall mode and the monodromy matrix,
H. Tasso, G. N. Throumoulopoulos,
Phys. Lett. A **307**, 304 (2003)
22. Exact magnetohydrodynamic equilibria with flow and effects on the Shafranov shift,
G. N. Throumoulopoulos, G. Poulipoulis, G. Pantis, H. Tasso,
Phys. Lett. A **317**, 463 (2003)
23. On axisymmetric resistive magnetohydrodynamic equilibria with flow free of Pfirsch-Schlüter diffusion,
G. N. Throumoulopoulos, H. Tasso,
Phys. Plasmas **10**, 2382 (2003)
24. Cross-helicity and magnetized Trkal flows,
H. Tasso, G. N. Throumoulopoulos,
Phys. Plasmas **10**, 4897 (2003)
25. Comment on "Solitonlike solutions of the Grad-Shafarnov equation",
G. N. Throumoulopoulos, K. Hizanidis, H. Tasso,
Phys. Rev. Lett. **92**, 249501 (2004)
26. Instability theorem in magnetohydrodynamics revisited,
H. Tasso, G. N. Throumoulopoulos,
Phys. Plasmas **11**, 334 (2004)
27. Tokamak MHD equilibria with reversed magnetic shear and sheared flow,
G. Poulipoulis, G. N. Throumoulopoulos, H. Tasso,
Plasma Phys. Control. Fusion **46**, 639 (2004)
28. Elliptic and hyperelliptic magnetohydrodynamic equilibria,
H. Tasso, G. N. Throumoulopoulos,
Il Nuovo Cimento **119 B**, 959 (2004)
29. Toroidal flow-caused change in magnetic topology of equilibrium eigenstates,
G. Poulipoulis, G. N. Throumoulopoulos, H. Tasso,

- Phys. Plasmas **12**, 042112 (2005)
30. Axisymmetric equilibria with anisotropic resistivity and toroidal flow,
G. Poulipoulis, G. N. Throumoulopoulos, H. Tasso,
Journal of Plasma Physics **72**, 213 (2006)
 31. On Hall magnetohydrodynamics equilibria,
G. N. Throumoulopoulos, H. Tasso,
Physics of Plasmas **13**, 102504, 2006
 32. On nonexistence of tokamak equilibria with purely poloidal flow,
G. N. Throumoulopoulos, H. Weitzner, H. Tasso,
Phys. Plasmas **13**, 122501 (2006)
 33. Two-fluid tokamak equilibria with reversed magnetic shear and sheared flow,
G. Poulipoulis, G. N. Throumoulopoulos, H. Tasso,
J. Plasma Phys. **73**, 347 (2007)
 34. On the existence of resistive magnetohydrodynamic equilibria,
H. Tasso, G. N. Throumoulopoulos,
Journal of Plasma Physics **73**, 285 (2007)
 35. On the Vlasov approach to tokamak equilibria with flow,
H. Tasso, G. N. Throumoulopoulos,
J. Phys. A: Math. Theor. **40**, F631 (2007)
 36. A sufficient condition for the linear stability of magnetohydrodynamic equilibria with
field aligned incompressible flow,
G. N. Throumoulopoulos, H. Tasso,
Phys. Plasmas **14**, 122104 (2007)
 37. Side conditioned axisymmetric equilibria with incompressible flow,
G. N. Throumoulopoulos, H. Tasso, G. Poulipoulis,
J. Plasma Physics **74**, 327 (2008)
 38. Magnetohydrodynamic 'cat eyes' and stabilizing effects of plasma flow,
G. N. Throumoulopoulos, H. Tasso, G. Poulipoulis,
J. Phys. A: Math. Theor. **42**, 335501 (2009)
 39. Magnetohydrodynamic counter-rotating vortices and combined stabilizing effects of
magnetic field and plasma flow,
G. N. Throumoulopoulos, H. Tasso,
Phys. Plasmas **17**, 032508 (2010)
 40. A comparison of Vlasov with drift kinetic and gyrokinetic theories,
H. Tasso and G. N. Throumoulopoulos,
Phys. Plasmas **18**, 064507 (2011)

41. Lyapunov stability of flowing magnetohydrodynamic plasmas surrounded by resistive walls,
H. Tasso and G. N. Throumoulopoulos,
Phys. Plasmas **18**, 070702 (2011)
42. Up-down asymmetric tokamak equilibria with parallel flows,
Ap Kuiroukidis and G N Throumoulopoulos,
Plasma Phys. Control. Fusion **53**, 125005 (2011)
43. On MHD stability of gravitating electrically conducting fluids with field-aligned flows,
H. Tasso and G. N. Throumoulopoulos,
J. Plasma Physics **78**, 1 (2012)
44. International thermonuclear experimental-like extended Solovév equilibria with parallel flow,
G. N. Throumoulopoulos and H. Tasso,
Phys. Plasmas **19**, 014504 (2012)
45. Symmetric and asymmetric equilibria with non-parallel flows,
Ap Kuiroukidis and G. N. Throumoulopoulos,
Phys. Plasmas **19**, 022508 (2012)
46. Nonlinear translational symmetric equilibria relevant to the L–H transition,
Ap Kuiroukidis and G. N. Throumoulopoulos,
J. Plasma Physics **79**, 257 (2013)
47. On Lyapunov boundary control of unstable magnetohydrodynamic plasmas,
H. Tasso and G. N. Throumoulopoulos, Phys. Plasmas **20**, 024505 (2013)
48. Paramagnetic Solovév equilibrium with flow,
I. Arapoglou G. N. Throumoulopoulos, H. Tasso,
Phys. Lett. A **377**, 310 (2013)
49. Vlasov versus reduced kinetic theories for helically symmetric equilibria,
H. Tasso, G. N. Throumoulopoulos,
Phys. Plasmas **20**, 042508 (2013)
50. Two dimensional nonlinear cylindrical equilibria with reversed magnetic shear and sheared flow,
Ap Kuiroukidis and G. N. Throumoulopoulos,
J. Plasma Physics **80**, 27 (2014)
51. Analytical up-down asymmetric equilibria with non-parallel flows,
Ap Kuiroukidis and G. N. Throumoulopoulos,
Phys. Plasmas **21**, 032509 (2014)

52. An analytic nonlinear toroidal equilibrium with flow,
Ap Kuiroukidis and G. N. Throumoulopoulos,
Plasma Phys. Control. Fusion **56** , 075003 (2014)
53. Tokamak-like Vlasov equilibria,
H. Tasso and G. N. Throumoulopoulos,
Eur. Phys. J. D **68** , 175 (2014)
54. The European integrated tokamak modeling (ITM) effort: achievements and first results,
G. Falchetto et al.,
Nucl. Fusion **54**, 043018L. (2014)
55. Generalized Solovév equilibrium with sheared flow of arbitrary direction and stability consideration,
D. A. Kaltsas and G. N. Throumoulopoulos,
Phys. Plasmas **21**, 084502 (2014)
56. Toroidal equilibrium states with reversed magnetic shear and parallel flow in connection with the formation of Internal Transport Barriers,
Ap Kuiroukidis and G. N. Throumoulopoulos,
J. Plasma Physics **81**, 905810404 (2015)
57. Comment on the paper 'An analytic functional form for characterization and generation of axisymmetric plasma boundaries' (2013 Plasma Phys. Control. Fusion 55 095009),
Ap Kuiroukidis and G. N. Throumoulopoulos,
Plasma Phys. Control. Fusion **57** , 078001 (2015)
58. Equilibria with incompressible flows from symmetry analysis,
Ap Kuiroukidis, G. N. Throumoulopoulos,
Phys. Plasmas **22**, 084502 (2015)
59. Vlasov tokamak equilibria with sheared toroidal flow and anisotropic pressure,
Ap Kuiroukidis, G. N. Throumoulopoulos, and H. Tasso,
Phys. Plasmas **22**, 082505 (2015)
60. On the equilibrium and stability of ITER relevant plasmas,
Ap Kuiroukidis, G. N. Throumoulopoulos, H. Tasso,
Energy and Environmental Engineering **3**, 56 (2015)

Εργασίες υπό δημοσίευση

1. Extending HELENA to incompressible plasma rotation parallel to the magnetic field,
G. Poulipoulis, G. N. Throumoulopoulos, C. Konz and ITM-TF Contributors,
submitted to Nucl. Fusion
2. Axisymmetric equilibria with pressure anisotropy and plasma flow,

A. Evangelias, G. N. Throumoulopoulos,
submitted to Plasma Phys. Controlled Fusion

Δημοσιεύσεις σε πρακτικά συνεδρίων

1. Fusile fuel trajectories of a fusion-fission symbiont with dynamical net core breeding gain, G. N. Throumoulopoulos and G. Pantis, Proceedings of the 4th International Conference on Emerging Nuclear Energy Systems, Madrid 1986, World Scientific 1987, p. 299
2. Ideal MHD compact toroidal configurations, G. N. Throumoulopoulos and G. Pantis, Proceedings of the 4th International Conference on Emerging Nuclear Energy Systems, Madrid 1986, World Scientific 1987, p. 125
3. Parabolomac: A spheromak type MHD equilibrium configuration, G. N. Throumoulopoulos and G. Pantis, 14th EPS Conference on Controlled Fusion and Plasma Physics, Madrid 1987, ECA **11D**, 503 (1987)
4. Analytic axisymmetric stationary states of a toroidal rotating plasma, G. N. Throumoulopoulos and G. Pantis, 1989 International Conference on Plasma Physics, New Delhi, Book of Abstracts (1989)
5. Axisymmetric force-free states and relaxation of a spheroidal spheromak, G. N. Throumoulopoulos and G. Pantis, IV Latin American Workshop on Plasma Physics, Buenos Aires 1990, Contributed papers, p. 211 (1990)
6. On relaxation of tokamak discharges with toroidal plasma rotation, G. N. Throumoulopoulos and G. Pantis, 1992 International Conference on Plasma Physics, Innsbruck, ECA **16C** Part I, 143 (1992)
7. Negative-energy waves in a magnetically confined guiding center plasma, G. N. Throumoulopoulos and D. Pfirsch, 20th EPS Conference on Plasma Physics and Controlled Fusion, Lisbon 1993, ECA **17C**, 1467 (1993)
8. Negative-energy perturbations in cylindrically symmetric equilibria within the framework of Maxwell-drift kinetic theory, G. N. Throumoulopoulos and D. Pfirsch, 21th EPS Conference on Plasma Physics and Controlled Fusion, Monttpelier 1994, ECA **18C**, 1390 (1994)
9. Stationary MHD equilibria of a cylindrical plasma with poloidal mass flow and arbitrary cross section shape, G. N. Throumoulopoulos, G. Pantis, 6th European Fusion Theory Conference, Utrecht 1995, Book of Program and Abstracts, P2-21 (1995)
10. Axisymmetric ideal magnetohydrodynamic equilibria with incompressible flows,

- H. Tasso and G. N. Throumoulopoulos 1998 International Sherwood Fusion Theory Conference, Atlanta, Book of Abstracts, 3C25 (1998)
11. Toroidal magnetohydrodynamic equilibria with incompressible flows, H. Tasso, G. N. Throumoulopoulos, 1998 International Congress on Plasma Physics & 25th EPS Conference on Controlled Fusion and Plasma Physics, ECA **22C**, 1895 (1998)
 12. Helically symmetric ideal magnetohydrodynamic equilibria with incompressible flows, G. N. Throumoulopoulos, H. Tasso, 1999 Centennial Meeting of the American Physical Society, Atlanta 1999; Bulletin of the American Physical Society **44** Part I, 597 (1999)
 13. Negative-energy perturbations and reversed-magnetic shear transport barriers in tokamaks, G. N. Throumoulopoulos, D. Pfirsch, 1999 Centennial Meeting of the American Physical Society, Atlanta 1999; Bulletin of the American Physical Society **44** Part I, 356 (1999)
 14. On resistive magnetohydrodynamic tokamak equilibria with flow, G. N. Throumoulopoulos, H. Tasso, 8th European Fusion Theory Conference, Como 1999, Book of Program and Abstracts, OW-4 (1999)
 15. Analytic magnetohydrodynamic equilibria of a magnetically confined plasma with incompressible flows, Ch. Simitzis, G. N. Throumoulopoulos, G. Pantis, H. Tasso, 27th EPS Conference on Controlled Fusion and Plasma Physics, Budapest 2000, ECA **24B**, 1569 (2000)
 16. Magnetic dipole equilibrium of a gravitating plasma with incompressible flows, G. N. Throumoulopoulos, H. Tasso, 27th EPS Conference on Controlled Fusion and Plasma Physics, Budapest 2000, ECA **24B**, 656 (2000)
 17. On Lyapunov stability of nonautonomous mechanical systems, H. Tasso, G. N. Throumoulopoulos, 42nd Annual Meeting of the APS Division of Plasma Physics and 10th International Congress on Plasma Physics, Québec 2000; Bulletin of the American Physical Society **45**, 297 (2000)
 18. Tokamak equilibria with sheared flow, Ch. Simitzis, G. N. Throumoulopoulos, G. Pantis, H. Tasso, 2001 International Fusion Theory Conference, Santa Fe, Book of Abstracts, 3B25 (2001)
 19. Wall stabilization and the Mathieu-Hill Equations, H. Tasso and G. N. Throumoulopoulos, 43rd Annual Meeting of the APS Division of Plasma Physics and American Physical Society, Long Beach 2000; Bulletin of the American Physical Society **46**, 104 (2001)
 20. Tokamak equilibria with reversed magnetic shear and sheared flow, G. Poulipoulis, G. N. Throumoulopoulos, H. Tasso, 29th EPS Conference on Plasma Physics and Controlled Fusion, Montreux 2002, ECA **26B**, P-4.076 (2002)

21. Two-step control of wall mode and the monodromy matrix,
H. Tasso, G. N. Throumoulopoulos, 44nd Annual Meeting of the APS Division of Plasma Physics, Orlando 2002; Bulletin of the American Physical Society **47**, 118 (2002)
22. On axisymmetric resistive MHD equilibria with flow free of Pfirsch-Schlüter diffusion,
G. N. Throumoulopoulos, H. Tasso, 44nd Annual Meeting of the APS Division of Plasma Physics, Orlando 2002; Bulletin of the American Physical Society **47**, 254 (2002)
23. Ideal MHD equilibria, G. N. Throumoulopoulos, 1th School of Fusion Physics and Technology (SFPT) (2, Volos, 2002, Lecture notes, p. 207 (2003); 2th SFPT, Volos, 2003, Lecture notes, p. 270 (2004)
24. Tokamak equilibria with reversed magnetic shear and flow,
G. Poulipoulis, G. N. Throumoulopoulos, H. Tasso, 1^o School of Fusion Physics and Technology, Volos, 2002, Lecture notes, p. 263 (2003);
25. Two-fluid tokamak equilibria with reversed magnetic shear and sheared flow,
G. Poulipoulis, G. N. Throumoulopoulos, H. Tasso, 2^o SFPT, Volos, 2003, Lecture notes, p. 317 (2004); also 10th European Fusion Theory Conference, Helsinki 2003, Book of Abstracts, P1-9 (2003)
26. Two-step control of wall mode and the monodromy matrix,
H. Tasso, G. N. Throumoulopoulos, 2^o SFPT, Volos, 2003, Lecture notes, p. 327 (2004); also 5th International Congress on Industrial and Applied Mathematics, Sydney 2003; Book of Abstracts, ICL 03_G0-34, p. 128 (2003)
27. Exact magnetohydrodynamic equilibria with flow and effects on the Shafranov shift,
G. Poulipoulis, G. N. Throumoulopoulos, G. Pantis, H. Tasso, 5th International Congress on Industrial and Applied Mathematics, Sydney 2003; Book of Abstracts (supplementary information), ICL 10_G0-070, p. 11 (2003)
28. Hall-MHD axisymmetric equilibria with flow,
G. N. Throumoulopoulos, H. Tasso, 2004 International Sherwood Fusion Theory Conference, Missoula, Book of Abstracts, 1E05 (2004)
29. Lyapunov stability of certain MHD systems, H. Tasso, G. N. Throumoulopoulos, 2004 International Sherwood Fusion Theory Conference, Missoula, Book of Abstracts, 2C12 (2004)
30. Multitoroidal configurations as equilibrium flow eigenstates,
G. Poulipoulis, G. N. Throumoulopoulos, H. Tasso, 12th International Congress on Plasma Physics, Nice 2004, Book of Abstracts, p. 35 (2004)
31. Collisionless Maxwell-drift kinetic theory (in greek)
G. N. Throumoulopoulos, 3th SFPT, Volos, 2004, Lectures (2004)
32. Axisymmetric equilibria with anisotropic resistivity and toroidal flow,

- G. Poulipoulis, G. N. Throumoulopoulos, H. Tasso, 47nd Annual Meeting of the APS Division of Plasma Physics, Denver 2005; Bulletin of the American Physical Society **50**, 350 (2005)
33. Elliptic and hyperelliptic magnetohydrodynamic equilibria,
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Διδακτορική διατριβή

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