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[Post-amplification of a Gaussian rf beam from a gyrotron via interaction with a sheet electron beam: Self-consistent radiation pattern \(](#) [G.](#)
[E. Anastassiou and J. L. Vomvouridis,](#)
[National Technical University of Athens](#)
[\)](#)

Annex II

[Ariadne++ : The object-oriented version of ARIADNE code](#)
[\(J. Gr. Pagonakis and J. L. Vomvouridis , National Technical University of Athens \)](#)

Annex III

[Complex root finding algorithms for the numerical code Beam Fishbone developed to calculate the dispersion characteristics of a beam-loaded corrugated waveguide with losses](#)
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[G. P. Latsas, I. G. Tigelis and E. Tsilis](#)
[,](#)
[National Technical University of Athens](#)
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Annex IV:

[Studies of the interaction of TM modes with an electron beam in a beam-loaded corrugated waveguide with losses](#) ([G. P. Latsas, I. G. Tigelis, S. Mallios, G. Anastasiou, D. J.](#)

Frantzeskakis and G. Alexakis,

University of Athens)

Annex V:

Calculation of the longitudinal HF field profile in a coaxial cavity (Z. C. Ioannidis, I. G. Tigelis, E. Tsilis, University of Athens and O. Dumbrajs, Helsinki University of Technology and University of Latvia)

Annex VI:

Systematic procedure for operating-mode selection in conventional and coaxial-cavity gyrotrons (K. A. Avramides, C. T. Iatrou and J. L. Vomvoridis, National Technical University of Athens)

Annex VII:

Use of Lie transform perturbation theory for higher order calculation of the perpendicular efficiency of a gyrotron cavity (Y. Kominis, K. Hizanidis, K. A. Avramides, J. L. Vomvoridis , National Technical University of Athens and O. Dumbrajs, Helsinki University of Technology and University of Latvia)

Annex VIII:

[Divertor flow asymmetries during ELMs in ASDEX Upgrade H-mode plasmas \(M. Tsalas, NCSR 'Demokritos', A. Herrmann, A. Kallenbach, H. W. Mueller, J. Neuhauser, V. Rohde, N. Tsois and the ASDEX Upgrade Team, Max - Planck - Institut für Plasmaphysik \)](#)

Annex IX:

[Side conditioned axisymmetric equilibria with incompressible flows \(G. N. Throumoulopoulos, G. Poulipoulis, University of Ioannina and H. Tasso, Max-Planck-Institut für Plasmaphysik \)](#)

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[A sufficient condition for linear stability of cylindrical equilibria with incompressible field aligned flow \(H. Tasso, Max-Planck-Institut für Plasmaphysik and G. N. Throumoulopoulos, University of Ioannina \)](#)

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[A model for the advantage of early application of electron cyclotron waves for the suppression of tearing modes for ASDEX Upgrade and TEXTOR \(A. Lazaros, National Technical University of Athens, M. Maraschek, H. Zohm, Max-Planck-Institut für Plasmaphysik and E. Westerhof, FOM Institute for Plasma Physics \)](#)

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[Scattered-field FDTD algorithm for hot anisotropic plasma with applications to EC heating](#)

(
[C. Tsironis, T. Samaras and L. Vlahos, University of Thessaloniki](#)
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[Higher-order diffusion equation for resonant wave-particle interactions \(Y. Kominis, K. Hizanidis, National Technical University of Athens, A. K. Ram, Massachusetts Institute of Technology, and A. Anastasiadis, National Technical University of Athens](#)

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[Interactions of two pellets injected simultaneously in the poloidal plane \(P. Lalousis, Institute of Electronic Structure and Laser Foundation for Research and Technology – Hellas](#)

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[Direct numerical simulation of a heat removal configuration for fusion blankets \(S. C. Kakarantzas, I. E. Sarris, A. P. Grecos and N. S. Vlachos, University of Thessaly \)](#)

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[Magnetization, resistivity, structure of AISI 430 ferritic steel after heat treatments \(G. Apostolopoulos, K. Mergia and M. Gjoka, NCSR 'Demokritos\)](#)

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[Detailed metallurgical characterisation \(including ageing effects\) of the EU ODS steel \(*K. Mergia and N. Boukos, NCSR 'Demokritos\)*](#)

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[Neutron irradiation up to 0.8 dpa at 200-250°C of EUROFER plates \(G. Apostolopoulos, D. Grigoriadis and K. Mergia, NCSR 'Demokritos\)](#)