VI			VII	
<u>Part II</u>			<u>Part_II</u>	
A theory for the	propagation of changes to confinement	Page: 508	• MHD limits and axisymmetric stability of doublets	Page: 556
	Christiansen, J.P.		Medvedev, S.	
• The impact of sawtooth effects on the prospects for ignition		Page: 512	Electromagnetic effects on electron fluid drift turbulence	Page: 560
	Turner, M.F.		Scott, B.	
 Prospects for in 	nproved confinement in hot plasmas	Page: 516	High resolution simulations of 2-D dissipative drift-wave turbulence	Page: 564
	Tendler, M.		Camargo, S.J.	
 Global thermal 	transport and indications from the Alcator C-Mod experiment	Page: 520	 Neoclassical transport scalings for stellarators in the long-mean-free-path regime 	Page: 568
	Coppi, B.		Maassberg, H.	
Modelling of ITER operation		Page: 524	Stochastic diffusion in reverse field pinch	Page: 572
	Boucher, D.		Paccagnella, R.	
 Transport changes due to the magnetic field shear, stochastic magnetic field and electric field shear 		Page: 528	 Non-linear theory of magnetic line diffusion in a stochastic layer 	Page: 576
	Itoh, S.I.		Misguich, J.	
Nonlinear magnetic reconnection in low collisionality plasmas		Page: 532	• Radially extended 2D toroidal mode structures and velocity shear effects	Page: 580
	Porcelli, F.		Wilson, H.R.	
 Self-consistent 	equilibrium in a cylindrical, dissipative reverse field pinch	Page: 536	• A wireframe model for toroidal magnetic field - plasma systems	Page: 584
	Guo, S.C.		Montvai, A.	
 The evolution of a slightly non-ideal, neutral plasma 		Page: 540	• Hamiltonian structure and stability of low-frequency nonlinear plasma dynamics	Page: 588
	Edenstrasser, J. W.		Pegoraro, F.	
	pressure-driven external modes in tokamaks	Page: 544	 Drift-Alfvén vortices in a magnetized plasma 	Page: 592
	Ward, D.J.		Kuvshinov, B. N.	
Ideal MHD stability in tokamaks with external windings		Page: 548	• Radiative-condensation instability in Be-seeded plasmas in tokamaks	Page: 596
	Moeckli, R.		Abramov, V. A.	
 Tearing stability 	/ in ITER shaped plasma	Page: 552	 Transport barrier formation due to turbulent spin-up of edge tokamak plasma during L-H transition Ossipenko, Marina V. 	Page: 600
	Pletzer, A.			

VIII

Part II		Part_II	
 Macroscopic modelling by lattice Boltzmann techniques 		• A mechanism for beam-driven excitation of ion cyclotron harmonic waves in TFTR	Page: 652
Vahala, G.		Dendy, R.O.	
 Effects of sheared poloidal rotations on neoclassical resistivity-gradient-driven turbulence transport <i>Peng, X.</i> 	Page: 608	Current driven non-Maxwellian plasmas	Page: 656
 Excitation of global Alfvén eigenmodes by RF heating in JET 	Page: 612	Haines, M. G. Direct emission in the ion cyclotron range of frequency	Page: 660
Kerner, W.		Fraboulet, D.	-
 Non-ideal effects on toroidal Alfvén Eigenmode stability Dendy, R.O. 	Page: 616	 Radial current across the separatrix due to direct ion orbit loss of a fast ion population 	Page: 664
 fast particle losses due to toroidal Alfvén modes in JET 	Page: 620	Kurki-Suonio, T.K.	Page: 668
Hender, T. C.		 Parametric dependencies of JET electron temperature profiles Schunke, B. 	Fage. 000
 Nonlinear mode conversion of Toroidal Alfvén Eigenmodes Zonca, F. 	Page: 624	 Boundary point collocation method to solve toroidal plasma flow of arbitrary aspect ratio and arbitrary cross section 	Page: 672
 Linear stability analysis and nonlinear hybrid simulation of TAE mode 	Page: 628	Cap, F. F.	D
Fu, G.Y.		 Influence of detailed neutral particle modelling on currents and cross-field drifts in a poloidally biassed divertor plasma Baelmans, M. 	Page: 676
 Test of theory of the L-H transition in ASDEX-Upgrade discharges De Blank, H. J. 	Page: 632	 Comparison of experimental MARFE observations in ASDEX-Upgrade with B2 calculations 	Page; 680
 Neoclassical alpha-particle losses in tokamaks allowing for large orbit widths 	Page: 636	Junker, W.	
Cox, M.	-	• Simulations of reactivity transients in tokamak fusion reactors	Page: 684
 Possibility of using ion-Bernstein waves for alpha power extraction in tokamaks 		Mantsinen, M.J. • Vertical instability dynamic analysis	Page: 688
Fisch, N.J.		Brémond, S.	
Modelling of sawtooth induced redistribution of ICRF-heated minority ions	Page: 644	• A numerical study of plasma detachement conditions in JET divertor plasmas	Page: 694
Ödblom, A. • Topology and slowing down of high energy ion orbits		Simonini, R.	
Porcelli, F.	Page: 648	• Detached divertor plasmas in JET	Page: 698
		Horton, L.D.	

IX

1

Part II

Part II Divertor studies for optimized Helias configurations Page: 702 • Experimental investigation of the power deposition on the Page: 750 the ergodic divertor target plates in Tore Supra Strumberger, E. Guilhem, D. • Divertor options for ITER and ASDEX-Upgrade : results of modeling Page: 706 • Avrive density control with ergodic divertor on Tore Supra Page: 754 Neuhauser, J. Loarer. T. · Bright spots on the divertor plates of ASDEX-Upgrade during stationay phases Page: 710 New results obtained by finite element modelling of the plasma edge Page: 758 Büchl K Pütz. Th. Momentum removal from subsonic and supersonic plasma flows in the ITER divertor Page: 714 Probe measurements on drift patterns in RFP edge plasmas Page: 762 laitkhanov, Yu. L. Bergsaker, H. Erosion at the divertor tiles of ASDEX- Upgrade Page: 718 • The impact of kinetic effects on the ITER divertor plasma Page: 766 Garcia-Rosales, C. Igitkhanov, Yu. L. Spectroscopic investigation of molecular impurities Page: 722 • Revised formula for chemical sputtering of carbon Page: 770 in the ASDEX-Upgrade divertor Lieder. G. Garcia-Rosales, C. Page: 726 Bistable behaviour of the ASDEX-Upgrade divertor near the transition • The impact of chemical erosion on the global impurity balance Page: 774 to the X-point Marfe in the ASDEX-Upgrade tokamak Laux. M. Kallenbach, A. • Study of high-Z target plate materials in the divertor of ASDEX-Upgrade Page: 730 • Evolution of radiating vapour shield at divertor plates during disruption Page: 778 Radtke, R. Lengyel, L. L. • Structure of the temperature and density fields in the boundary layer Page: 734 • Time resolved measurements of hydrogen inventory in graphite Page: 782 during ergodic divertor operation on Tore Supra under plasma exposure De Michelis, C. Langhoff, M. · Screening and radiating properties of Tore Supra ergodic divertor Page: 738 · Radiation phenomena and particle fluxes in the X-event in JET Page: 786 during impurity injection experiments Monier-Garbet, P. Jäckel, H.-J. • Numerical modeling of plasma flow target interaction for prediction of divertor Page: 742 · Radiative plasmas with ergodic divertor and additional power in Tore Supra Page: 790 behaviour under ITER typical disruption conditions Würz. H. Vallet, J.-C. Page: 746 • The control of convection by fuelling and pumping in the JET pumped divertor • Radiative thermal instability of the tokamak edge region Page: 794 Harbour, P.J. Bachmann. P.

XI

XII

<u>Part II</u>

<u>Part II</u>

XIII

Enhanced edge radiation induced by electrode biasing on TEXTOR	Page: 798	B2-EIRENE modelling of ELMs on ASDEX-Upgrade	Page: 846
Van Nieuwenhove, R.		Coster, D.P.	
 Radiation losses in FTU 	Page: 802	Investigation of the dynamics of the L-H transition in ASDEX-Upgrade	Page: 850
Apruzzese, G.		Zohm, H.	
 Effective charge of the plasma resulting from the injection of neon into deuterium discharges on TEXTOR <i>Telesca, G.</i> 	Page: 806	• A study of edge fluctuations in L- and H-mode by phase contrast imaging on DIII-D <i>Coda, S.</i>	Page: 854
 Measurement of carbon sources on the limiter face in Tore Supra Monier-Garbet, P. 	Page: 810	• The parametric dependence of the spatial structure of the radial electric field at the plasma edge in the DIII-D tokamak Gohil, P.	Page: 858
• Spectroscopic study of marfe-like ergodic edge plasmas on Tore Supra	Page: 814	 Edge turbulence and transport studies with ergodic divertor on Tore Supra ohmic discharges 	Page: 862
Hess, W.R.	D : 040	Devynck, P.	Dage: 8.6.6
• Siliconization of FTU <i>Apicella, M.L.</i>	Page: 818	 Edge plasma measurements on Extrap T1 reversed field pinch with Langmuir probe array Li, G.X. 	Page: 866
Self-consistent impurity modeling with edge/core plasma coupling	Page: 822	• Influence of local neutral concentration on edge turbulence in the TJ-1 tokamak	Page: 870
Zanino, R.		Pedrosa, M. A.	
 Impurity line emission due to thermal charge exchange in JET edge plasmas Maggi, C.F. 	Page: 826	 Turbulent fluctuations in the scrape-off layer of the ASDEX tokamak and the W7-AS stellarator Niedermeyer, H. 	Page: 874
 Experimental study of vapor shield formation and divertor material erosion for ITER typical plasma disruptions 	Page: 830	• Stochastic ion trajectories in a potential landscape	Page: 878
Würz; H.		Krlin, L.	
 Experimental measurements and modeling of impurity transport in the divertor and boundary plasma of DIII-D West, W. P. 	Page: 834	 The SOL width and the MHD interchange instability in tokamaks <i>Pogutse, O.</i> 	Page: 882
 ICRF power modulation experiments on ASDEX-Upgrade Hoffmann, C. 	Page: 838	 Comparison of T-10 edge turbulence with the drift resistive ballooning turbulence computer modelling Vershkov, V.A. 	Page: 886
 Changes in the edge plasma due to ELMs, a study using coupling measurements in the ICRF range 	Page: 842	• Transport of high energy electrons in edge stochastic magnetic layer of tokamaks	Page: 890
Noterdaeme, JM.		Takamura, S.	

XV

Page: 944

Page: 948

Page: 952

Page: 956

Page: 960

Page: 964

Page: 968

Page: 972

Page: 976

Page: 980

Page: 984

Page: 988

<u>Part II</u>		<u>Part_II</u>	
Edge biasing and electron heating by Fermi acceleration in RF fields	Page: 894	The new JET phased ICRH array. First experiments and modelling	
Myra, J. R.		Bures, M.	
Experimental measurements of ICRF and edge plasma interactions on Tore Supra	Page: 898	 Spatial distribution of gamma emissivity and fast ions during (3He)D 	
Harris, J.H.		ICRF heating experiments on JET Righi, E.	
On the effect of a radial electric field on the edge of a takomak plasma	Page: 902	• An analysis of JET fast-wave heating and current drive experiments	
Nocentini, A.		directly related to ITER Bhatnagar, V. P.	
Interpreting fluid models of tokamak edge plasmas	Page: 906	Ion energy balance during fast wave heating in Tore Supra	
Maddison, G.		Hutter, T.	
Validation of fluid modelling of edge plasmas on Compass-D	Page: 910	 Fast evaluation of the quasilinear ion distribution function during ion cyclotron heating 	
Maddison, G.		Brambilla, M.	
Shutdown of a burning plasma and examination of edge DT depletion	Page: 914	 Study of the third harmonic ICR heating of the beam heated deuterium plasma of TEXTOR 	
Pacher, H. D.		Van Wassenhove, G.	
 Plasma edge spectral profiles for discharges with high and low MHD activity in TBR-1 tokamak 	Page: 918	 Ponderomotive effects on the coupling of ion Bernstein waves to tokamak plasma 	
Caldas, I.L.		Cesario, R.	
 Control of secondary electron emission from end plates of the Gamma 10 tandem mirror 	Page: 922	• Quasilinear analysis of the IBW electron absorption	
Saito, T.		Cardinali, A.	
Space charge sheaths with electron emission	Page: 926	Observation of plasma expulsion from a powered screenless ICRF antenna	
Hantzsche, E.		Van Nieuwenhove, R.	
 Fast access to neutral injection heating profiles applied for the stellarator W7-AS 	Page: 932	• A study of antenna coupling during ICRF plasma build-up	
Penningsfeld, FP.		Moiseenko, V.E.	
 Neutral beam heating in ASDEX-Upgrade 	Page: 936	• ICRF antenna coupling and fast alpha heating models for fusion plasmas	
Volimer, O.		Scharer, J.E.	
 Development of negative-ion-based NBI injector for large helical device 	Page: 940	• Recent results from the TFTR ICRF DT program	
Ando, A.		Rogers, J. H.	

XVI

<u>Part II</u>

ICRF experiments in the Alcator C-mod tokamak		Page: 992	
	Golovato, S.N.		
 Radial banana-ta in a tokamak fus 	ransitional transport of alpha particles driven by ICRH sion reactor <i>Chang, C.S.</i>	Page: 996	
• ICRF heating in C	CHS	Page: 1000	
	Kumazawa, R.		
 Measurement of harmonic in Tore 	the optical depth at the third electron cyclotron e Supra Segui, JL.	Page: 1004	
	eration with 140 GHz ECRH : experiments at the W7-AS stellarator, ne W7-X stellarator <i>Erckmann</i> , V.	Page: 1008	
• Electron cyclotro	on heating & current drive in ITER	Page: 1012	
	Lloyd, B.		
• Experimental inv	vestigation of ECRH assisted low voltage ohmic start-up in HL-1	Page: 1016	
	Yao, L.H.		
	erent heating schemes on high-Z contamination test limiter in TEXTOR <i>Van Oost, G.</i>	Page: 1020	
• Physics issues a	nd design aspects of ITER ion and electron cyclotron systems	Page: 1024	
	Nagashima T.		
• Effective lower h	nybrid heating of electrons and ions in the FT-2 tokamak	Page: 1028	
	Budnikov, V. N.		
•	on heating & current drive in the presence of a lower hybrid wa- nt solution of the QRFPE <i>Tribeche, M</i> .	Page: 103	
• Parasitic absorp	tion at the Alfvén resonance in scrape-off layers	Page: 1036	
	Faulconer, D.W.		