## CONTENTS

PRE	FA	CE .	•	•	•	•	•	•	•	•	•	•	v
NO	TA	TION	•		٠	•	•		•	•		•	viii
NT	RO	DUCTIO	N							•			1
I.	Α	QUASI-L	INEA	AR AF	PRO	XIMA	TION						5
	1.	Instabil	ITY A	ND T	URBUI	ENCE	•	•					5
	2. Laminar Convection of a Plasma												7
	3.	Quasi-li	NEAR	АРР	ROXIM	ATION	in Ki	NETIC	s .		•		15
11.	INTERACTION OF WAVES AT WEAK TURBULENCE												31
	1.	KINETIC	Wav	⁄ε Equ	JATION	١.	•						31
	2.	INTERAC TION O									NSIDE •	RA-	41
111.	METHODS OF CONSIDERING STRONG TURBULENCE .											49	
	1.	THE WE	ak C	OUPLI	NG AI	PROX	IMATIC	N					49
	2.	PHENOM TURB			L APP	ROACI	A OT I	Desc ·	RIPTIC	ON OF A	STRO	ONG •	58
٧.	TURBULENCE IN A PLASMA												65
	1. Non-linear Damping of Langmuir Waves												65
	2. Excitation of Ion Oscillations by an Electron Current .												68
	3.	DRIFT I	NSTAE	BILITY	OF A	PLASM	<b>A</b> .	•			•		78
	4.	TURBUL	ent I	DIFFUS	ION O	F A P	LASMA		•	•			106
	5.	Turbul	ENT I	PLASMA	A IN E	XPERI	MENTA	L Co	NDITIO	ONS	•	•	123
СО	NC	LUSION							•		•	•	139
REFERENCES										•	141		
INIT	<b>\E</b> \												147