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**ХВИЛЬОВА
ДИНАМІКА
СТРУКТУРОВАНИХ
СЕРЕДОВИЩ**

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The purpose of this book is to describe the behaviors of multicomponent media in terms of physically motivated models, where the state equations of relaxing media with a structure for describing nonlinear wave processes are employed. The special attention is focused on the research of nonlinear evolution equations as applied to the evolution of wave fields. The theoretical principles for the control of wave action on the multicomponent media and for the development of new method of structure diagnostics by means of the long nonlinear waves are suggested. The reader may find some suggestions for future research herein, and open up questions that may be especially useful for young scientists.

We hope that the reader will receive a more or less objective picture of the current state of the art of the wave dynamic of the structured media.

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		3
1		9
1.1		11
1.2		17
1.3		23
1.4		25
1.4.1		25
1.4.2		27
1.4.3	-	30
1.5		35
2		41
2.1	-	42
2.2		50
2.3		57
2.3.1	-	57
2.3.2		61
2.3.3	,	63
2.4		65

3		71
3.1		72
3.2		77
3.3		80
3.3.1		81
3.3.2		83
3.3.3		85
4		92
4.1		92
4.2		98
4.3		102
4.3.1		102
4.3.2		105
5		112
5.1		112
5.2		117
5.3		121
5.4		124
6		131
6.1		133
6.2		137

6.2.1	.....	138
6.2.2	.....	144
6.2.3	.....	148
6.3	.....	150
6.4	.....	152
6.4.1	.....	154
6.4.2	.....	155
7	.....	159
7.1	.....	160
7.2	.....	167
7.2.1	.....	168
7.2.2	.....	171
7.2.3	.....	177
7.3	.....	180
7.4	.....	187
7.5	.....	197
7.6	.....	199
		206