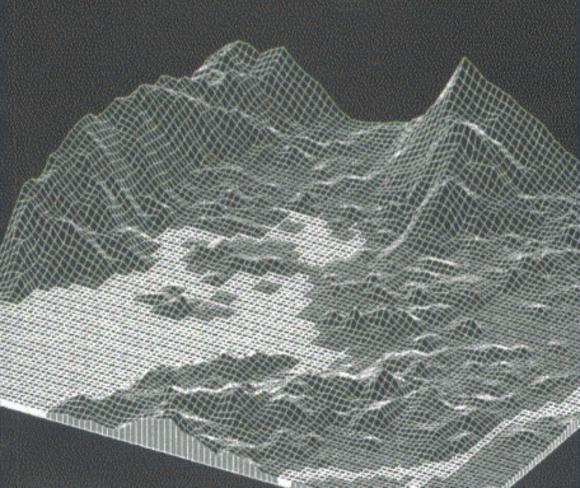
## GIS, Environmental Modelling and Engineering

Allan Brimicombe



## Contents

	•	
	Acknowledgements	vi
	Statement on trade names and trademarks	vii
1	Introduction	1
SEC	TION A	•
2	From GIS to geocomputation	7
3	The rise of geo-information science and engineering	40
07.0	TOWN	
SEC	TION B	
4	Approaches to modelling	52
5	The role and nature of environmental models	77
SEC	TION C	
_		
6	Case studies in GIS, environmental modelling and engineering	128
_		
7	Issues of coupling the technologies	163
8	Data and information quality issues	188
9	Modelling issues	238
10	Decision-making under uncertainty	269
	References	284
	Acronyms	306
	Index	308