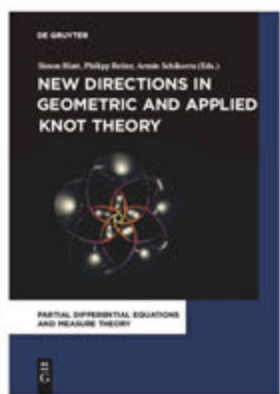


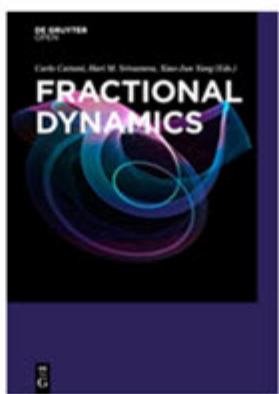
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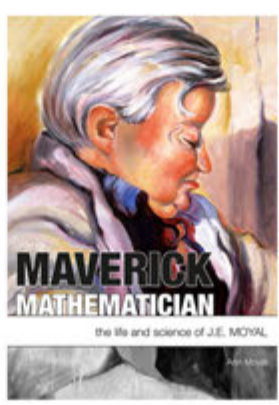
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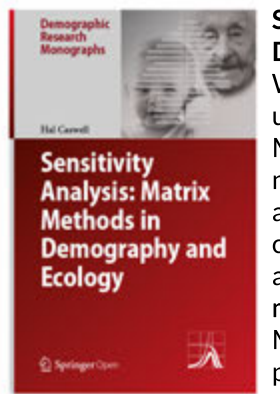
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With this book Hal Caswell shows how to use sensitivity analysis in demography. Methods are presented for linear and nonlinear, deterministic and stochastic, and time-invariant and time-varying cases. The calculations easily and accurately implemented in matrix-oriented languages such as Matlab or R will help create models to predict the effect of future changes.



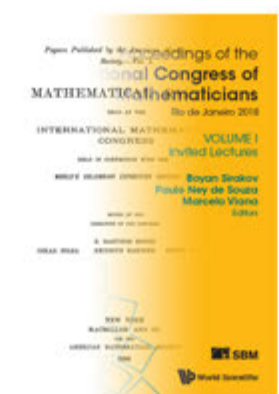
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This two-volume set originates from 3 commutative algebra sessions at the 2009 Fall SE AMS Meeting, at Florida Atlantic University. It presents current trends in 2 of the most active areas of commutative algebra: non-Noetherian rings and Noetherian rings.

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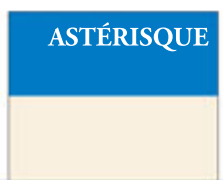
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The central subject of the book is group action analysis, developed and applied mainly by Louis Michel to the study of N-dimensional periodic lattices. The authors, starting from general Delone sets, turn to different symmetry and topological classifications including explicit construction of orbifolds for two- and three-dimensional point and space groups.



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