



Geoffrey H. Dutton

# A Hierarchical Coordinate System for Geoprocessing and Cartography

Series: Lecture Notes in Earth Sciences

- - Theoretical approach with several applications
- - Contains a series of experiments in map generalization

When spatial data is digitized for use in geographic information systems and other software, information about its original scale, resolution and accuracy is frequently lost. As a result, using such information at different scales and combining it with data from other sources may be difficult. Mapping vector data at smaller than the original scale requires its generalization, which is usually handled by post-processing in ways that are only weakly supported by databases. The models and methods described in this book overcome many such problems by providing a multi-resolution data representation that allows retrieval of map data at a hierarchy of scales, as well as documenting the accuracy of every spatial coordinate.

1999, XVIII, 230 p. 84 illus. With 12 Falttafeln. With online files/update.

## eBook

67,40 € | £57.99 | \$74.99

[2]67,40 € (D) | 67,40 € (A) | CHF

85,00

Available from your library or  
[springer.com/shop](http://springer.com/shop)

## MyCopy [3]

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](http://springer.com/mycopy)

## Book w. online files/update

79,99 € | £73.44 | \$99.00

85,59 € (D) | 87,99 € (A) | CHF

106,60

Order online at [springer.com](http://springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com). / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

