

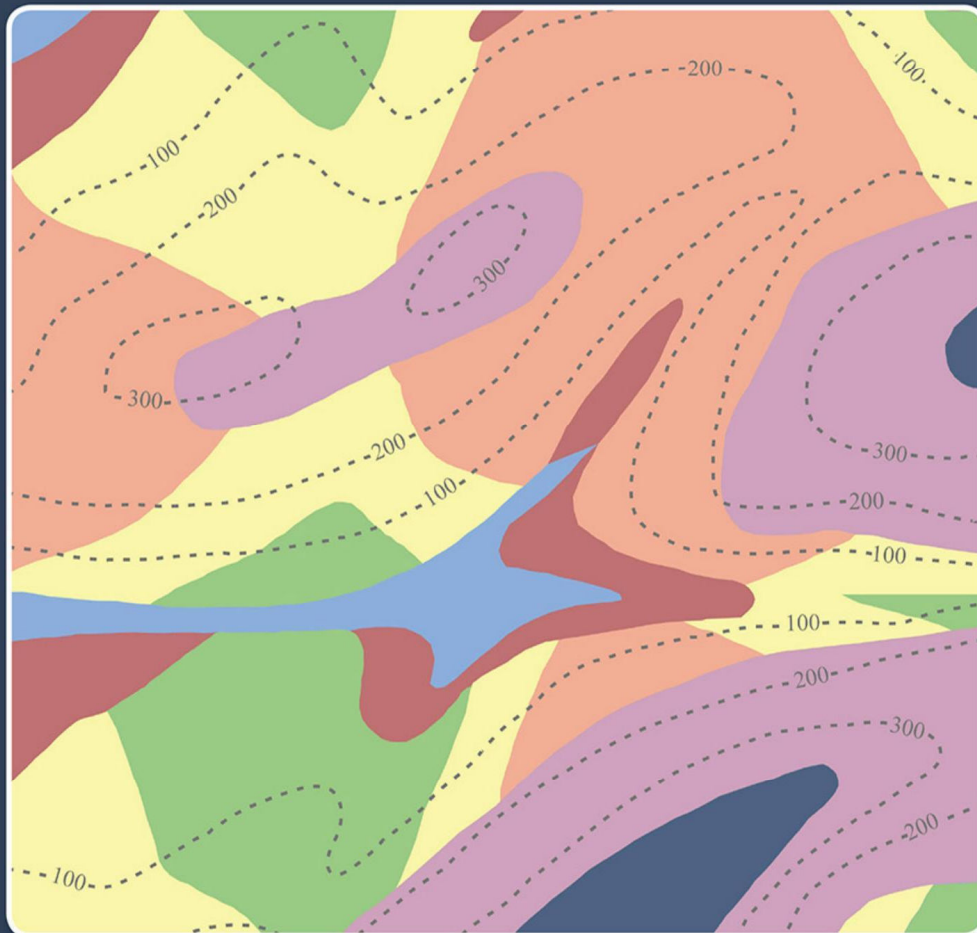


**DEVELOPMENTS IN STRUCTURAL
GEOLOGY AND TECTONICS**

1

MAP INTERPRETATION *for Structural Geologists*

NARAYAN BOSE & SOUMYAJIT MUKHERJEE



SERIES EDITOR: SOUMYAJIT MUKHERJEE

MAP INTERPRETATION
FOR STRUCTURAL GEOLOGISTS

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Developments in Structural Geology and Tectonics

MAP INTERPRETATION FOR STRUCTURAL GEOLOGISTS

Volume 1

NARAYAN BOSE & SOUMYAJIT MUKHERJEE

Indian Institute of Technology Bombay, Mumbai, India



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Radarweg 29, PO Box 211, 1000 AE Amsterdam, Netherlands
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Cover image: Reproduced from a part of map 7 of Platt (1951). The entire map has been solved as Map 6.8 in this book.

Dedication

S. Mukherjee dedicates this book in loving memory of his grandmother late Namita Mukherjee.

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Preface

Interpreting topography and structures from geological maps is a fundamental and compulsory exercise for Bachelors and Masters students in geosciences. This book presents how to interpret maps and draw their cross-sections. Students are requested to consult standard textbooks of structural geology for definitions and diagrams for the common terms used in this book. A number of solved maps are provided along with few unsolved exercises for practice. This will help students to practice map interpretation with nominal guidance.

Starting from preliminary concepts (e.g., topography, horizontal, and inclined beds), maps with single "components" (folds, faults, and unconformities) are explained. This is followed by maps with multiple components and map completion exercises. We believe the book provides sufficient information for a single semester to teach beginners. We welcome any comments, suggestions, or alternate explanations for the solved maps at: narayan.bghs@gmail.com and soumyajitm@gmail.com.

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