

## 付加体形成をめぐる諸問題

### — 未解決の問題と重力の役割 —

小川 勇 二 郎\*

#### Various Perspectives on Accretionary Wedge Formation and Related Phenomena

Yujiro OGAWA\*

#### Abstract

The present situation of studies on accretionary wedge formation and related phenomena is briefly summarized from various perspectives, ranging from theories, model experiments, observations on land and submarine, exhumation of high-pressure metamorphic rocks, fluid seepage, stress field, and asperity. Future perspectives are also considered from such recent results with potential areas of study. Gravity acts ubiquitously—everywhere and at all times—on the Earth's materials, so the role of gravity is also accounted for in the wedge development.

**Key words** : accretionary wedge, critical taper, exhumation of metamorphic rock, fluid migration, stress field, asperity, gravity

キーワード : 付加体, クリティカルテイパー, 変成岩の上昇, 流体移動, 応力分布, アスペリティー, 重力

---

\* 東電設計株式会社 (ogawa.yujiro@tepsco.co.jp, fyogawa45@yahoo.co.jp)

\* Tokyo Electric Power Services Co., Ltd.

本稿は2009年7月21日に行われた地学クラブ講演会の講演報告である。