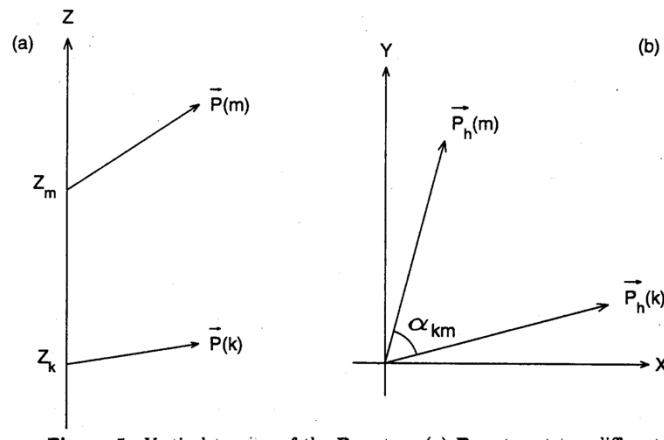


# Coastal Ocean Diagnostic/Prognostic System

PI: Peter C. Chu ([pcchu@nps.edu](mailto:pcchu@nps.edu)), Sponsor: ONR (Manager: Tom Curtin)

1994-1995, Funding Level: \$40,000



## NPS Theses

- (1) Li, Ching-Chung, "[A numerical simulation of seasonal circulation in the South China Sea](#)," MS in PO, March 1994
- (2) Tseng, Hsing-Chia, "[South China Sea warm-core and cold-core eddies detected from the Navy's Master Oceanographic Observation Data Set \(MOODS\)](#)," MS in PO, September 1995
- (3) Edmons, Nate, "[South China Sea ocean circulations simulated by a primitive equation model](#)," MS in METOC, September 1996

## Selected Publications

Chu, P.C., 1995: P-vector method for determining absolute velocity from hydrographic data. [Marine Technology Society Journal](#), **29** (2), 3-14 ([paper download](#)).

Chu, P.C., 1994: P-vector inverse method. [Ocean Modelling](#), 114, 23-26.

Chu, P.C., 2006: [P-Vector Inverse Method](#). Springer, 605 pp, ISBN 3-540-33384-3.

## Brief Description

Development of the P-vector inverse method for calculating absolute velocity from (T, S) profiles and for initializing ocean numerical models.