



NAV 100 Overview

Introduction

There are four sets of lines and two types of trigonometric (graphic) calculations used in visual navigation:

- Lines: Track (TR), Shoal Water (SW), Dead (Deduced) Reckoning (DR), and Estimated Position (EP)
- Graphic (Trig) Calculations: Fix/ Running Fix, and Set & Drift

Lines

- Shoal Water: The depth contour on each side of the Track defining danger (no-go zone)
- Track: Where we want to go
- DR: Location based on directed course and boat speed from a fix/ running fix, not considering wind or current
- EP: Location based on DR plus set and drift

Calculations

- Fix/ Running Fix: Where we actually are at a point in time; based on intersecting LOPs
- Set & Drift: Speed vector of DR error based on current, windage and other variables.

