
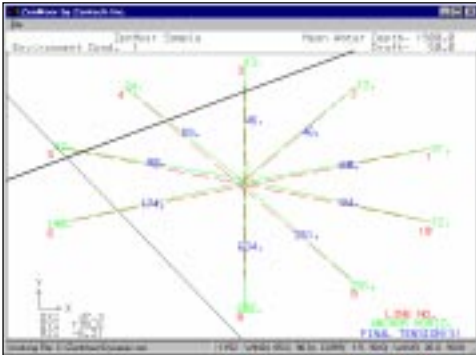


Mooring Analysis Software for Floating Vessels

ZenMoor is a Powerful State-of-the-Art, Windows-based program for the Mooring Design and Analysis of Semi-submersibles, FPSOs, Spars, Barges and other Floating Systems.

Now Available  **3 Separate Options to Suit the Needs of the Users**

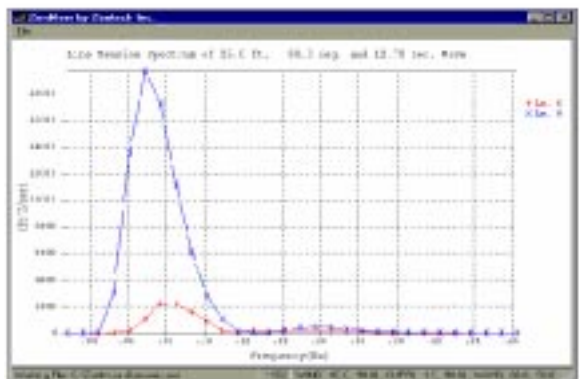
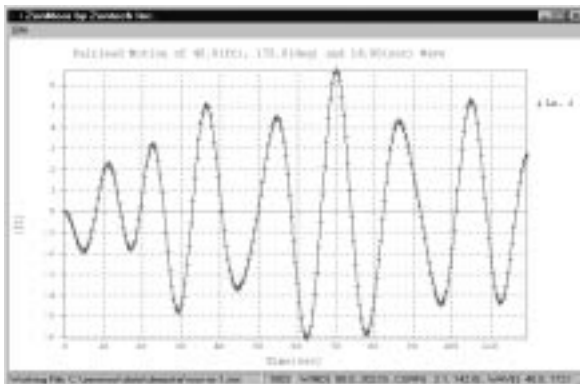
- Static Analysis Only
- Static and Quasi-Static Analysis
- Static, Quasi-Static and Dynamic Analysis (frequency domain and time domain)



ZenMoor Analysis Types:

- Static
- Quasi-Static
- Dynamic (frequency and time domain)
- Fatigue
- Intact and Damaged Lines, and Line Breakage
- Compliance with API and DNV Requirements
- Multi-Component Mooring Lines, Clump Weights and Buoys
- Slope of Sea Floor is Permitted
- Synthetic Lines can be Defined
- Pre-set Mooring Can be Defined

No.	Type	Material	Length	Weight	Stiffness	Yield	Ult	Mod	Ext	Area	Perim	Volume	Weight	Cost	Notes
1	Chain	100	100	100	100	100	100	100	100	100	100	100	100	100	
2	Wire	100	100	100	100	100	100	100	100	100	100	100	100	100	
3	Wire	100	100	100	100	100	100	100	100	100	100	100	100	100	
4	Wire	100	100	100	100	100	100	100	100	100	100	100	100	100	
5	Wire	100	100	100	100	100	100	100	100	100	100	100	100	100	
6	Wire	100	100	100	100	100	100	100	100	100	100	100	100	100	
7	Wire	100	100	100	100	100	100	100	100	100	100	100	100	100	
8	Wire	100	100	100	100	100	100	100	100	100	100	100	100	100	
9	Wire	100	100	100	100	100	100	100	100	100	100	100	100	100	
10	Wire	100	100	100	100	100	100	100	100	100	100	100	100	100	



Features

- Database of Chain, Wire and Anchor from Manufacturers
- Program Calculated Line Properties
- Low Frequency Wave and Wind Response
- Wave Frequency Vessel Response
- Mooring Line Dynamic Analysis in Frequency and Time Domain
- Fatigue Analysis of Mooring Lines
- Choice of Wave and Wind Spectra
- Computation of Environmental Forces from Wind, Wave and Current Data and Vessel Coefficients
- Vessel Offset Calculation due to Change in Environment or Line Lengths
- Line Payout Calculation for Vessel Relocation
- Computes Line Tensions and Factors of Safety, Line Angles, Line on Bottom, Anchor Distances and Anchor Loads
- Computation and Display of Transient Motion of the Vessel after Line Breakage
- Display of Pipelines in Line Spread and Line Profile
- Pipeline Clearance and Buoy Immersion Distances
- Accounts for the Presence of Thrusters



Invest in the Best