



Hands-On FTA Course - Outline

Introduction
Deductive Analysis
Basic Concept
Advantages/Disadvantages
Immediate, Necessary And Sufficient Concepts
Fault Tree Symbols And Terminology
Common Symbols, Special Symbols
Definitions, Usage
Examples
Qualitative, Quantitative Trees
Basic Rules
System Operational Modes
Guidelines - Keys To Success
Increased Accuracy, Consistency, Economy
Best Kept Secrets?
Maintainability
Fault Tree Notes
Concurrency And Correlation
Step Size Precautions
Similar Subtrees
Limiting Fault Tree Size
Sharing Subtrees
Partial Analysis
Fault Tree Reviews
Cut Sets, Minimal Cut Sets
Minimal Cut Set Analysis
What This Really Means
Importance Analyses
Common Mode Analysis
An Excellent Approach
Acceptance/Rejection Criteria
20 Attributes
Supporting Material
FTA Software
The Good, Bad & The Ugly
The Good - CAFTA
Introduction
Initializing
Creating, Editing, Data Entry
Producing Minimal Cut Sets
Introductory Exercise
System Description
Hands-On FTA
Discussion
Solution
Intermediate Exercises
System Descriptions
Hands-On FTAs
Solutions

Advanced Exercise
System Description
Hands-On FTA
Solution
Attendee-Specific Exercise (If Time Permits)
Hands-On FTA
Wrap-up

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