



The most comprehensive RBD software on the market  
**PLUS** complete Fault Tree Analysis support  
 ... integrated together in the same powerful software package.

The BlockSim FTI edition provides all of the powerful capabilities of the standard BlockSim software plus integrated support for Fault Tree Analysis (FTA)... all for under \$3,000!

### Support for All Major Fault Tree Analysis Gates and Events

BlockSim's interface for fault tree analysis supports all of the traditional FTA gates and event symbols that are applicable to system reliability and related analyses. In addition, BlockSim FTI allows you to expand the modeling capabilities through the introduction of new logic gates to represent load sharing and standby redundancy configurations.

- **Gates:** AND, OR, Voting, Inhibit, Load Sharing, Standby
- **Events:** Basic, Trigger (External, House), Undeveloped, Conditional, Resultant

### Work with Fault Trees and/or RBDs in the Same Environment

With the FTI edition, your BlockSim projects can contain both fault trees and reliability block diagrams, together in the same analysis environment. You can even integrate your fault trees and RBDs in several ways, including:

- Mix and match fault trees and RBDs by linking a fault tree as a subdiagram to an RBD or vice versa.
- Copy events from a fault tree diagram and paste them as blocks in an RBD.
- Automatically convert any fault tree diagram to a reliability block diagram.

### Expanded Analysis Capabilities

Because BlockSim FTI's fault trees are directly integrated with an equivalent RBD model, you can expand the analysis capabilities for your fault trees beyond the basic results that are normally possible. Regardless of diagram type (fault tree or RBD), all of BlockSim's analytical and simulation capabilities are available. This includes:

- Define blocks (events and gates) with time-dependent distributions or fixed probabilities.
- Consider maintenance characteristics, including maintenance policies (corrective and preventive maintenance, inspections), maintenance durations, restoration factors, resource availability, maintenance costs and even throughput.
- Model load sharing and true standby redundancy configurations through the application of new logic gates introduced by ReliaSoft.
- Generate plots, reports and point estimate results based on the analysis.

Scheduled for release in Fall 2003. Upgrade pricing is available for current BlockSim users.

