

The ultimate test program checkup!

## Galaxy Audit

Your Test Program can run  
faster...Find out how!

### The Galaxy Audit mission:

Make test program efficiency, diagnostics, multi-site and multi-thread optimization a snap!

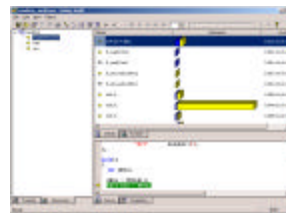
### How efficient is your program?

You can't improve what you can't measure...this is true for test programs too! Thanks to the advanced technologies that power the Galaxy Audit, you will discover a brand new stream of valuable data in the Audit profiler report. It is like seeing your test program under a new light, and suddenly having access to information hidden from you until now! Think about the gold mine that was hidden from you - and that prevented you from making your test program even more efficient. Know all about execution time, resource usage, time spent per resource! Using Galaxy Audit technology, you now have a new weapon:

- **Visual profiler:** Seeing how time is spent in your program makes inefficient code tracking a snap! Track time spent in each line of code! No longer optimize based on assumptions; make the right decisions based on accurate Audit data.
- **Resource profiler:** Before Audit, you had to hope resources were correctly managed; now you can SEE it...and do the appropriate efficient changes!
- **Runtime browser:** Browse your test program, use the zooming tools for sharp investigation...and see exactly how your code behaves at run time. An impressive Visual browser!
- **Threads View:** How efficient are your threads...? Stop guessing and SEE it!
- **Sites View:** Is your test program behavior consistent over the sites tested...? See by yourself!
- **HTML diagnostic report:** Get a comprehensive HTML summary report of your test program.

### Efficiency: It's all about graphics

An image is worth a thousand words...with Galaxy Audit, be ready for a great surprise: With a single mouse click, drill into your



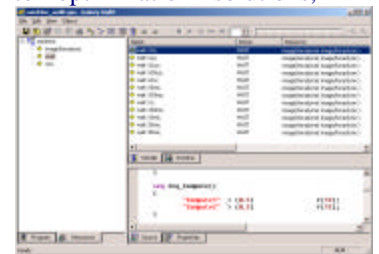
program and follow all its execution flow. As you drill up and down, see all timings information, and resources usage as well. Even greater: see how resource usage is efficiently used and deduce new sequences that will group hardware access differently.

### Interactive environment

The Audit interactive environment makes you work faster than ever. Because all its views communicate, you can analyze each single piece of information from many different angles, and deduct improvements never possible before Galaxy Audit! It is well known that Engineers are more efficient when working under a well-integrated environment. Galaxy Audit was designed with great care to present data and menu options that are logical to the users, and not try to impose a new way of thinking. Galaxy Audit utilizes the Explorer application concept that all engineers are familiar and comfortable with.

### Drilling at light speed!

When it comes to optimization solutions, flexibility is critical. Galaxy Audit drilling capabilities are so powerful and easy to use that engineers will love it at once. Browsing into the program flow only requires mouse clicks,



and drilling into a code section is as simple as a double-click. Thanks to the browser Backward and Forward arrows, engineers will experience full browsing freedom into the test program. Launching multiple instances of the Audit software let you compare different audit sessions and diagnostic the efficiency in new test program releases.

### Multi-site optimization!

Why does site#2 takes 150ms longer than site#1 to execute? Using the Audit, you won't ask yourself this question anymore...and you will know what to do to fix it! Interactive zooming capabilities let you drill into the very smallest code section!



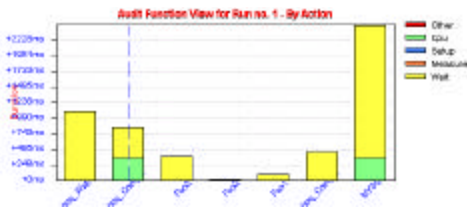
### Multi-thread mystery is over!

Technology makes program design more complex year after year...but how do you adapt your programming habits to maintain efficient test programs? Galaxy Audit will make you break the mystery of multi-thread efficiency! Now, and thanks to the Audit, you will know exactly the time it saves...and if not, what to change in your programs to benefit from multi-thread technology.



### Resource usage

Test program optimization is a complex task as many different strategies are possible. The best strategy is the one that with minimum effort and risk brings the best return. Resource optimization is quite often left aside, as it requires information that is difficult to collect. With the Audit, this is not true anymore!



You can now see the exact resource usage in each program test block.

### HTML diagnostic reports

The Audit software includes an automatic HTML report generator to help you faster document your work. It also includes a built-in diagnostic agent that reports any program inefficiency detected!

### The ultimate checkup!

Without Galaxy Audit, you would never detect well-hidden test program inefficient sections and code combinations. Programs are too big and too complex to allow systematic manual inspections...and even the best test engineer will receive this solution with great relief and focus faster on the right program blocs. You can't afford not to try it, and if you try it, you'll love it!

Galaxy's strategy remains the same: we will continue to improve this innovative solution and add other features based on your needs. Our goal is to help you work faster and better!

Audit could only come from Galaxy, the provider of software solutions to reduce cost of test.

### The Galaxy Team

Note: If you believe the Galaxy Audit still doesn't include a key feature you need, let us know ([support.audit@galaxysemi.com](mailto:support.audit@galaxysemi.com)), we are committed to bring the best, and as such we value your comments.

