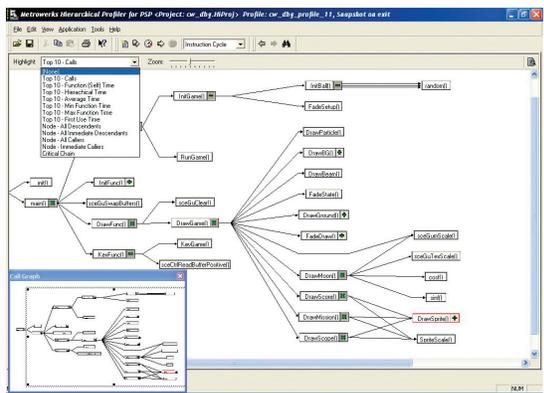
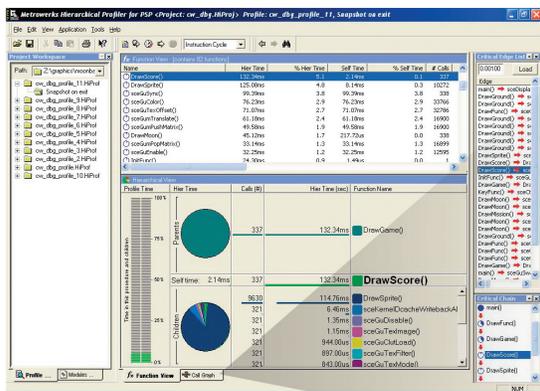




CodeWarrior™ Analysis Tools for PSP™

Overview

Optimize your game code for maximum performance and improve game-play experience using CodeWarrior™ Analysis Tools (CATS) for PSP™. Developers and publishers alike have agreed that CATS has accelerated delivery and increased quality by effectively identifying and eliminating performance bottlenecks in their titles.



Hierarchical Profiler

The CATS Hierarchical Profiler instrumentation code modifies the original application by inserting some target specific analysis code. When the instrumented application is run, this analysis code is executed to record profile data.

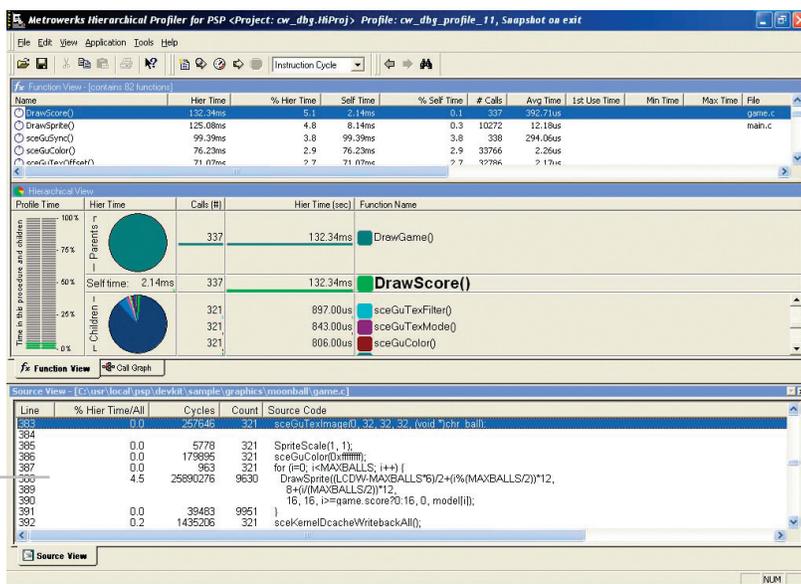
- > When the instrumented application runs, the profiling code automatically collects performance data and stores it in the PSP™ development system's memory
- > No preprocessing or recompiling required
- > Much more accurate than sampling-based profilers
- > Source-line level profiling
- > Enhanced profiler controls and options
- > Support for tracepoints in C/C++ programs
- > Shows execution time based on the function call graph
- > Provides call tracking from routine to routine
- > Time stamping measurement and instruction cycle counting measurement available

Call Graph

- > Enhanced Windows-based GUI for easy navigation
- > Call-graph window, graphical display of procedure call tree
- > Zoom button allowing easy navigation in the call-graph window
- > Highlights allowing you to quickly identify features such as top ten calls, call attributes and critical chains



Warrior Analysis Tools for PSP®



CATS PSP source code view

Benefits

- > The Hierarchical Profiler (HiProf) is an effective solution for tuning an application and showing code inefficiencies, saving valuable time during the QA process.
- > The Hierarchical Profiler provides an unparalleled granularity in pinpointing performance bottlenecks, enabling your game code to run faster and more efficiently.
- > CATS enables you to profile your binary application without needing to pre-process and re-compile your game, saving you valuable development time.
- > CodeWarrior Analysis Tools for PSP™ provide the same familiar views and functionality you are used to seeing in other CATS products, so you can get up and running quickly.

The BCI Advantage

The CodeWarrior Hierarchical Profiler uses Binary Code Instrumentation (BCI) technology rather than source-code modification to provide

time-stamping and instruction cycle-counting. BCI technology has proven to be an effective solution for the following reasons:

- > BCI enables you to instrument third-party executables (libraries) without source code
- > BCI is much more accurate than sampling and less invasive
- > BCI does not modify source code
- > BCI works best with C/C++ and assembly code
- > BCI shows you the times associated with functions and individual lines of source code
- > BCI does not require source code to use the Hierarchical Profiler

Supported Tool Suites

You must have CodeWarrior Development Studio for PSP™ to use this product.

Compatible with SCE's "PSP™" Development Kit

Freescale Developer Technology Game Organization Services and Technical Support

> Freescale online support is available 24 hours a day, 7 days a week and provides the ability to:

- download product updates
- check the status of support requests
- view your account information
- access online knowledge base for frequently asked questions

> Technical support is available via telephone and email during regular business hours

Minimum System Requirements

- > CodeWarrior Development Studio for PSP™
- > Microsoft® Windows 2000/Windows XP
- > Intel® Pentium® 4 processor
- > Memory: 512 MB RAM or higher
- > Hard drive space: 120 MB
- > "PSP™" SDK and tool-chain available for download from the "PSP™" Developer Network
- > CD-ROM drive

Learn More: For more information about Freescale products, please visit www.freescale.com/games.

FREESCALE and the FREESCALE logo are trademarks of Freescale Semiconductor, Inc. All other product or service names are the property of their respective owners.

© Freescale Semiconductor, Inc. 2006.
ALL RIGHTS RESERVED.

950-00107
REV B

