



Solution Explorer

DCT.cpp

DCT_Kernels.cl

Output

Show output from:

CodeXL Exp

Solution Exp

Breakpoints

Output

CodeXL Properties



Solution Explorer

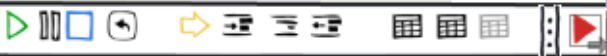
Session 2

Time-based profile ▼ Manage Separate by none ▼

Overview System Data

Output

Show output from: ▼



Solution Explorer

DCT.cpp

Start Debug

✓ Debug Mode

Profile Mode

Frame Step Ctrl+F11

Draw Step Shift+F10

Step Over F10

Step In F11

Step Out Shift+F11

Break Shift+F5

Stop Debugging F6

Breakpoints >

Add / Remove Breakpoints... Alt+Shift+B

Enable all Breakpoints

System Information...

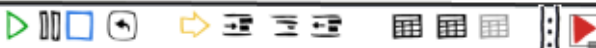
Debug Settings...

CodeXL Options...

Help >

Output

Show output from: ▼



Solution Explorer



Session 2

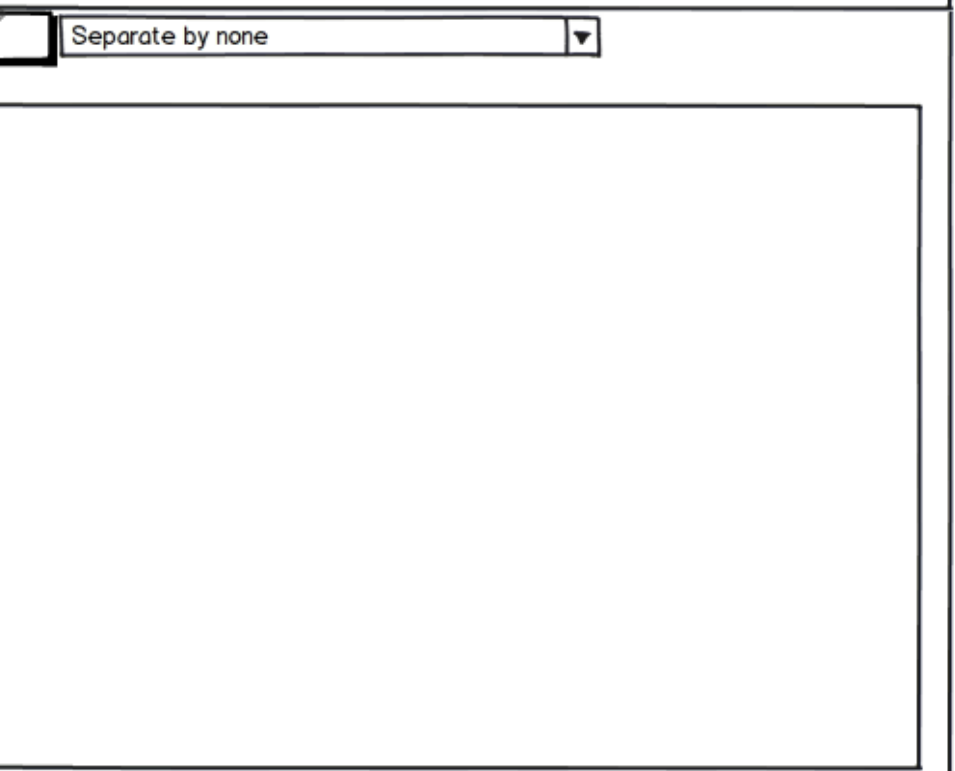
Time-based p

Overview

Overview

- Start Profile
- Debug Mode
- ✓ Profile Mode - CPU: Time-based sampling
 - CPU: Timer-based sampling
 - GPU: Performance Counters
 - GPU: Application Trace
- System Information...
- Profile Settings...
- CodeXL Options...
- Help >

Separate by none



Output

Show output from:





CodeXL Explorer

- Folder icon: DCT
 - CL Context 1 (deleted)
 - CL Context 2
 - Buffers
 - CL Buffer 1
 - CL Buffer 2
 - CL Buffer 3
 - Command Queues
 - Command Queue 1
 - OpenCL Programs
 - OpenCL Program 1
 - Kernel 1 - DCT

DCT.cpp DCT_Kernels.cl

```
/**
 * Enqueue a kernel run call.
 */
cl_event ndrEvt;
status = clEnqueueNDRangeKernel(
    commandQueue,
    kernel,
    2,
    NULL,
    globalThreads,
    localThreads,
    0,
    NULL,
    &ndrEvt);
CHECK_OPENCL_ERROR(status, "clEnqueueNDRangeKernel failed.");

status = clFlush(commandQueue);
CHECK_OPENCL_ERROR(status, "clFlush failed.");

status = sampleCommon->waitForEventAndRelease(&ndrEvt);
CHECK_ERROR(status, SDK_SUCCESS, "WaitForEventAndRelease(ndrEvt) Failed");

// Enqueue readBuffer
```

Locals

--

Breakpoints

<input checked="" type="checkbox"/> clEnqueueNDRangeKernel
--



- CodeXL Explorer
- Timer-based sampling
 - Session 1
 - Renamed Session
 - Session 2
 - Instruction-based sampling
 - Session 1
 - Events assess performance
 - Session 1
 - Session 2
 - Session 3
 - + Events investigate L2 cache acce
 - + Events investigate branching
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Session 2

Time-based profile [dropdown] [Manage] Separate by none [dropdown]

Overview System Data

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CodeXL Properties



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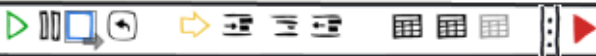
```
DCT.cpp
/**
 * Enqueue
 */
cl_event r
status = cl
    clEnqueueNDRangeKernel
    2
    N
    gl
    lo
    0
    N
    &
CHECK_C
status = cl
CHECK_C
status = s
CHECK_E
// Enqueue
```

Locals

- Start Debug
- ✓ Debug Mode
- Profile Mode
- Continue Shift+Alt+F5
- Step Into
- Step Over
- Break All Ctrl+Alt+Break
- Stop Debugging F6
- Restart Ctrl+Shift+F5
- Step Out Shift+F11
- Toggle Breakpoints F9
- Breakpoints
- Add / Remove Breakpoints... Alt+Shift+B
- Delete all Breakpoints Ctrl+Shift+F9
- Disable all Breakpoints
- System Information...
- Debug Settings...
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- Views
- Open Teapot Sample Project
- Help

- Break on OpenGL Error Ctrl+E
- Break on OpenCL Error
- Break on Detected Error
- Break on Redundant State Changes
- Break on Deprecated Functions
- Break on Memory Leaks
- Break on OpenGL Debug Output Messages
- OpenGL Debug Output Settings...
- Load Breakpoints...
- Save Breakpoints As...

☒ clEnqueueNDRangeKernel



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el failed.");
);
Release(ndrEvt) Failed");
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- View Help...
- View Tutorial...
- Check for Updates...
- AMD Developer Tools Support Forum
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DCT.cpp

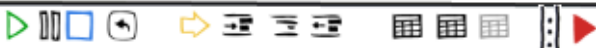
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- Debug Explorer Shift+Alt+1
- Function Calls History Shift+Alt+2
- Properties Shift+Alt+3
- Memory Shift+Alt+4
- Statistics
- OpenCL Multi-Watch 1
- OpenCL Multi-Watch 2
- OpenCL Multi-Watch 3



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Not sure about the Profile modes' names

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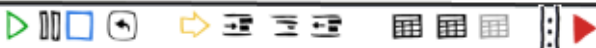
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