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| **Benchmark** | **Application** | **CUDA APIs** | **Paper citations** |
| **Rodinia** | backpropagation | cudaMalloc,  cudaMemcpy,  cudaThreadSynchronize,  cudaGetLastError,  cudaGetErrorString,  cudaFree, |  |
| bfs | cudaMalloc,  cudaMemcpy,  cudaFree |  |
| \_bilateral | cudaMallocPitch,  cudaDeviceSynchronize,  cudaMemcpy2D,  cudaFree,  cudaDeviceReset,  cudaReadModeNormalizedFloat,  cudaMemcpyToSymbol,  cudaCreateChannelDesc,  cudaBindTexture2D, |  |
| b+tree | cudaMalloc,  cudaMemcpy,  cudaThreadSynchronize,  cudaFree,  cudaGetDeviceCount,  cudaGetDeviceProperties,  cudaSetDevice,  cudaGetLastError,  cudaGetErrorString |  |
| cfd | cudaMalloc,  cudaFree,  cudaMemcpy,  cudaSetDevice,  cudaGetDevice,  cudaGetDeviceProperties,  cudaMemcpyToSymbol,  cudaMemset,  cudaThreadSynchronize,  cudaGetLastError,  cudaGetErrorString, |  |
| dwt2d |  |  |