



































// find out how many platforms are atta	ne Device (this is really useful!), I uched here and get their ids:	
// ind out now many platorno are alla	onde nere une get troit lab.	
cl_uint numPlatforms;		
status = clGetPlatformIDs(0, NULL, 8	&numPlatforms);	
fprintf(stderr, "clGetPlatformIDs f	lailed (1)\n");	
fprintf(OUTPUT, "Number of Platforms	s = %d\n", numPlatforms);	
cl_platform_id *platforms = new cl_plat	tform_id[numPlatforms];	
status = clGetPlatformIDs(numPlatio	orms, platforms, NULL);	
fprintf(stderr, "clGetPlatformIDs f	ailed (2)\n");	
cl_uint numDevices;		
cl_device_id *devices;		
for(int i = 0; i < (int)numPlatforms; i++)	
{ fprintf(OUTPUT "Platform #%d:\	n" i):	
size t size;		
char *str;		
clGetPlatformInfo(platforms[i], 0	CL_PLATFORM_NAME, 0, NULL, &size);	
str = new cnar [size]; clGetPlatforminfo(platforms[i] (CL PLATEORM NAME size str NULL):	
fprintf(OUTPUT, "\tName = "%s	s'\n", str);	
delete[] str;		
clGetPlatformInfo(platforms[i], 0	CL_PLATFORM_VENDOR, 0, NULL, &size);	
str = new char [size]; clCotPlatforminfo(platformefil (CL PLATEORM VENDOR size etr NULL):	
fprintf(OUTPUT, "\tVendor = "%s	s'\n", str);	1
delete[]str;		







































8. Compile and Link the Kernel Code 39	
// create the kernel program on the device:	
char * strings [1]; // an array of strings strings[0] = clProgram Text; cl_program program = clCreateProgramWithSource(context, 1, (const char **)strings, NULL, &status); delete [] clProgramText;	
// build the kernel program on the device:	
<pre>// build the kernel program on the device: char 'options = { " }; status = cBuildProgram (program, 1, &device, options, NULL, NULL); if(status != CL_SUCCESS) { // retrieve and print the error messages: size_1 size; clGetProgramBuildInfo(program, devices[0], CL_PROGRAM_BUILD_LOG, 0, NULL, &size); d_char 'log = new cl_char{size }; clGetProgramBuildInfo(program, devices[0], CL_PROGRAM_BUILD_LOG, size, log, NULL); fprint[stderr, "dBuildProgram failed:in%sin", log); delete [] log; } </pre>	
Drepon State Drepon State University Computer Computer Computer Computer States	

















	Figuring Out What Thread You Are and What Your 48 Thread Environment is Like
uint	get_work_dim() ;
size_t	get_global_size(uint <i>dimindx</i>) ;
size_t	get_global_id(uint <i>dimindx</i>);>
size_t	get_local_size(uint <i>dimindx</i>) ;
size_t	get_local_id(uint <i>dimindx</i>) ;
size_t	get_num_groups(uint <i>dimindx</i>) ;
size_t	get_group_id(uint <i>dimindx</i>) ;
size_t	get_global_offset(uint <i>dimindx</i>) ;
Dregon State University Computer Graphics	0 ≤ dimindx ≤ 2











