

Device

OpenCL:

```
__kernel void clenergy(_s) {  
    unsigned int xindex= get_global_id|0|;  
    unsigned int yindex= get_global_id|1|;  
    unsigned int outaddr= get_global_size(0) * UNROLLX  
    *yindex+xindex;
```

CUDA:

```
__global__ void cuenergy(_s) {  
    unsigned int xindex= blockIdx.x *blockDim.x +threadIdx.x;  
    unsigned int yindex= blockIdx.y *blockDim.y +threadIdx.y;  
    unsigned int outaddr= gridDim.x *blockDim.x *  
    UNROLLX*yindex+xindex
```