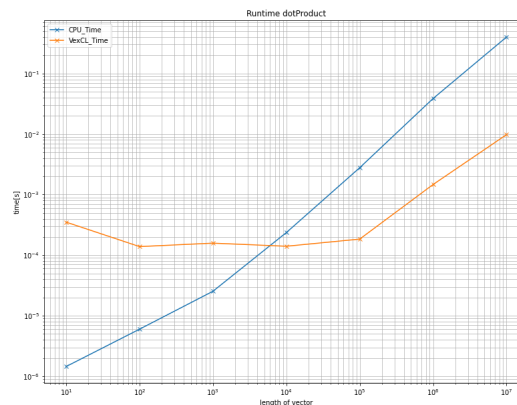


Computational Science on Many-Core Architectures Exercise 8

Example 1 Libraries (5 Points)

a)



Listing 1: opencl kernel

```

1  const char *my_opencl_program = ""
2  "__kernel void vec_mult(__global double *x,\n"
3  "                        __global double *y,\n"
4  "                        __global double *result,\n"
5  "                        unsigned int N)\n"
6  "{\n"
7  "    for (unsigned int i = get_global_id(0);\n"
8  "         i < N;\n"
9  "         i += get_global_size(0))\n"
10 "        result[i] = x[i] * y[i];\n"
11 "}";

```
