获取cpu逻辑核的数量

http://blog.sciencenet.cn/blog-419883-405622.html

在many-core程序的设计中，往往需要获取cpu核的数量，觉得这段代码很好，摘录下来：  
摘自：http://stackoverflow.com/questions/150355/programmatically-find-the-number-of-cores-on-a-machine  
#ifdef \_WIN32  
#include <windows.h>  
#elif MACOS  
#include <sys/param.h>  
#include <sys/sysctl.h>  
#else  
#include <unistd.h>  
#endif  
  
int getNumCores() {  
#ifdef WIN32  
    SYSTEM\_INFO sysinfo;  
    GetSystemInfo(&sysinfo);  
    return sysinfo.dwNumberOfProcessors;  
#elif MACOS  
    int nm[2];  
    size\_t len = 4;  
    uint32\_t count;  
  
    nm[0] = CTL\_HW; nm[1] = HW\_AVAILCPU;  
    sysctl(nm, 2, &count, &len, NULL, 0);  
  
    if(count < 1) {  
        nm[1] = HW\_NCPU;  
        sysctl(nm, 2, &count, &len, NULL, 0);  
        if(count < 1) { count = 1; }  
    }  
    return count;  
#else  
    return sysconf(\_SC\_NPROCESSORS\_ONLN);  
#endif  
}