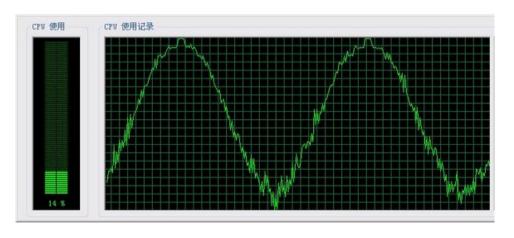
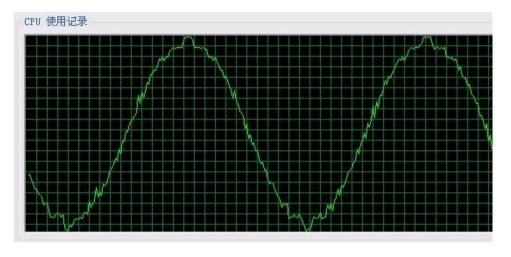
写程序让 CPU 占用率保持正弦函数 □

导入自 renren

据说是一道微软的面试题。如题,写程序,让 Windows 的任务管理器中的性能监视器呈现正弦曲线。





潜心钻研良久,得代码:(java)

```
1
    public class sincpu {
 2
       private static final int cycle=1024,tick = 256;
 3
       public static void main (String() args) throws InterruptedEx
 4
         for(int i = 0;;i++){
 5
            work(calcNextSleep(i % cycle));
 6
            sleep(tick - calcNextSleep(i % cycle));
 7
         }
 8
      }
9
10
       private static long calcNextSleep(long i){
11
          return (int)(Math.sin((double)i * 2 * Math.Pl / cycle) * ti
12
       }
13
14
       private static void sleep (long sleepTime) throws Interrup
15
       {
16
          if(sleepTime < 2)
            Thread.yield();
17
18
          else
19
            Thread.sleep(sleepTime);
20
       }
21
22
       private static void work (long period) {
23
          long start = System.currentTimeMillis():
24
         for(::){
25
            Math.sin(1):
26
            if(System.currentTimeMillis() - start >= period)
27
               break;
28
         }
29
       }
30
   }
```



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