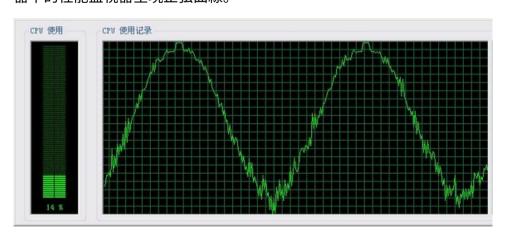
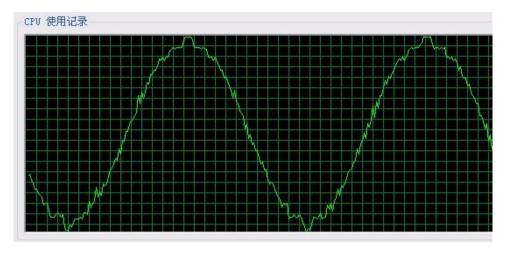
寫程序讓 CPU 佔用率保持正弦函 數

導入自 renren

據說是一道微軟的面試題。如題,寫程序,讓 Windows 的任務管理器中的性能監視器呈現正弦曲線。





潛心鑽研良久,得代碼:(java)

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



© 2015 farseerfc·通過 Pelican 生成 (cc) BY-NC-SA