

网络技术上机分析 (4) PDF转换可能丢失图片或格式 , 建议阅读原文

https://www.100test.com/kao_ti2020/137/2021_2022__E7_BD_91_E7_BB_9C_E6_8A_80_E6_c98_137180.htm 七、其他数学计算

请编制函数READDAT () 实现从文件IN.DAT中读取1000个十进制整数到数组XX中.再编制函数COMPUTE()分别计算出XX中奇数的个数ODD,偶数的个数EVEN,平均值`AVER以及方差TOTFE的值,最后调用函数WRITEDAT()把结果输出

到OUT.DAT文件中.计算方差的公式如下:原始数据文件存放的格式是:每行存放10个数,并用逗号隔开(每个数均大于0且小于等于2000).

```
#include #include #include #define MAX 1000 int  
xx[MAX],odd=0,even=0.double aver=0.0,totfc=0.0.void
```

```
WriteDat(void) .int ReadDat(void){FILE *fp
```

```
.if((fp=fopen("in.dat","r"))==NULL) return 1 fclose(fp) .return 0
```

```
.}void Compute(void){}void main(){int i
```

```
.for(i=0. ixx[i]=0.if(ReadDat()){printf("Cant open the data file  
in.dat!\n")
```

```
.return.}Compute().printf("ODD=%d\nEVEN=%d\nAVER=%lf\n
```

```
TOTFC=%lf\n", odd,even,aver,totfc).WriteDat().}void
```

```
WriteDat(void){FILE *fp.int i.fp=fopen("out.dat", "w") .fprintf(fp,  
"%d\n%d\n%lf\n%lf\n",odd,even,aver,totfc).fclose(fp) .}/* 注
```

```
: */int ReadDat(void){FILE *fp .int
```

```
i.if((fp=fopen("in.dat","r"))==NULL) return
```

```
1.for(i=0.i{fscanf(fp,"%d",&xx[i]).iffeof(fp))
```

```
break.}fclose(fp) .return 0 .} 100Test 下载频道开通 , 各类考试题目
```

```
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```