

```

#include <stdio.h>
#include <stdlib.h>
#include <math.h>

int main()
{
    FILE *fd;
    int i;
    double ksi,hist[2];
    double deltav=0.4;

    /*fd=fopen("dcos_32767.dat","r");
    fscanf(fd, "%le %le \n", hist[0],hist[1]);
    fclose(fd);
    printf("%le %le \n", hist[0],hist[1]);*/

    ksi=0.0;
    fd=fopen("dcos_10022767","r");
    for (i=0;i<100;i++)
    {
        fscanf(fd, "%le %le \n", &hist[0],&hist[1]);
        //printf("%le %le \n", hist[0], hist[1]);
        ksi = ksi + ( hist[1] - 4.0 * exp( -2.0*hist[0]*hist[0] ) * hist
[0] ) * ( hist[1] - 4.0 * exp( -2.0*hist[0]*hist[0] ) * hist[0] );
        // printf("%le %le\n", ( hist[1] - 4.0 * exp( -2.0*hist[0]*hist
[0] ) * hist[0] ) * ( hist[1] - 4.0 * exp( -2.0*hist[0]*hist[0] ) *
hist[0] ),ksi);

    }
    ksi = ksi * deltav;
    printf("%le\n",ksi);

    fclose(fd);
}

```