

# OpenMP vector addition

Vector addition using OpenMP dynamic threading:

```
#include <omp.h>
#define CHUNKSIZE 100
#define N 1000

void main ()
{
    int i, chunk;
    float a[N], b[N], c[N];

    /* Some initializations */
    for (i=0; i < N; i++)
        a[i] = b[i] = i * 1.0;
    chunk = CHUNKSIZE;

    #pragma omp parallel shared(a,b,c,chunk) private(i)
    {
        #pragma omp for schedule(dynamic,chunk) nowait
        for (i=0; i < N; i++)
            c[i] = a[i] + b[i];
    } /* end of parallel section */
}
```

