

# Function overhead test

For this test I was curious to see the overhead of a function call

I executed two methods `Benchmark1` and `Benchmark2` and compared their execution time.

```
private void Func()
{
    int j = 0;
}

public override void Benchmark1()
{
    for (int i = 0; i < 50000; i++)
    {
        int j = 0;
    }
}

public override void Benchmark2()
{
    for (int i = 0; i < 50000; i++)
    {
        Func();
    }
}
```

Both methods do the same thing, setting a variable `j` to 0, except that `Benchmark2` calls a function.

B1 : 57.036 ms  
B2 : 66.207 ms (1.16 times slower)

There's a little difference, calling a function has a little overhead, but nothing too bad. So in theory, putting everything into a single function is more performant (But obviously that would be a bad programming advice)

---

Revision #2

Created 15 February 2023 20:23:38 by MyroP

Updated 16 February 2023 20:52:15 by MyroP