
Subject: Re: Defs.h minmax() change/fix
Posted by [mirek](#) on Fri, 19 Feb 2010 15:52:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

kohait00 wrote on Wed, 17 February 2010 04:24: yiy are right, the compiler warns
warning C4172: returning address of local variable or temporary

using a

```
s = min(max(a, b), c);
```

//instead of

```
s = minmax(a, b, c);
```

does not produce this warning. i still dont get why.

maybe to have a

```
#define minmax(x, _min, max) min(max(x, _min), _max)
```

is a choice.

or at least

```
template <class T>
```

```
inline T minmax(const T& x, const T& _min, const T& _max) { return min(max(x, _min), _max); }
```

reducing the need of object copy by 60% (roughly)

dont know if this is that much of speed saving, but using refs instead of temp copies is better
anyway, isnt it?

In this case, I believe there will be no difference in code generated in most cases. It is inline after
all. And in fact, it is used on fundamental types 90% of time.

Mirek
